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ABSTRACT

Evaluation sheets and developmental checklists, prepared by three special education departments, are provided to facilitate continuous measurement of student progress in elementary school mathematics. One hundred forty-three objectives are given, and each is followed by a continuum-oriented set of worksheet-type pages on mathematics skills. The sheets were not intended to be used for seatwork or as a replacement for a school's present program in mathematics but to provide a fast means for evaluating each child's progress. No suggestions for diagnosis are included. The objectives cover content in number concepts; all operations with whole numbers, decimals, and fractions; adding and subtracting integers; commutative, associative, and distributive laws; problems in money, time, and units of measurement; and recognition of geometric figures.
(DT)

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A MATH CONTINUUM

Developed under a Grant from Public Law 91-230 Part D

by the

SPECIAL EDUCATION DEPARTMENTS of

Walla Walla School District #140

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Clarkston School District #J-250-185

Mr. Bud Phillips

Intermediate School District #102

Dr. Gary Larson

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PURPOSE

This continuum oriented set of math precision teaching measurement sheets has been developed to provide a fast means of evaluating each child's progress. It is not intended to be used for seatwork or to replace your present program of mathematics but only to facilitate continuous measurement of student progress toward criterion.

SOURCE OF FUNDING AND ACKNOWLEDGEMENTS

The mathematics precision teaching materials contained herein were developed through Public Law 91-230, Part D grant. The grant was awarded to the special education departments of Walla Walla District #140, Clarkston District #J-250-185, and Intermediate School District #102 by the Department of Special Education of the Office of Superintendent of Public Instruction of Washington State.

The Special Education Directors of the above named districts wish to thank all of the teachers who spent many hours in developing the precision teaching evaluation sheets, the secretarial help for their hours of often tedious work, and the administrators of the school districts within I.S.D. #102 for the cooperation in this project.

REPRODUCTION OF EVALUATION SHEETS

As you require evaluation sheets and developmental checklists, you need only run each selected master sheet through a copy machine to produce a spirit duplicator master and reproduce the number desired. If you always replace the master sheet in its proper order within your set the materials will last indefinitely.

CORRECTION OF EVALUATION SHEETS AND REORDERING OF OBJECTIVES

It is hoped that this set of materials fits a well defined continuum of difficulty and that all evaluation sheets within the objective are highly accurate and usable. This however, considering the numbers of objectives and worksheets, is beyond what can realistically be expected. It is for this reason that we have built in a system whereby each teacher can help us make needed corrections and improvements. Whenever you find any problems which in your opinion need correction, reordering, or any other action, please complete the "Teacher Comments on Precision Teaching Evaluation Sheets" form, attach a copy of the objective or master sheets in question and return

them either to Mr. Del Zander of District #140, Mr. Bud Phillips of Clarkston District #J-250-185, or Dr. Gary W. Larsen of I.S.D. #102. Through this method we can in time, have an extremely useful set of mathematics materials for the evaluation of children's progress using precision teaching techniques.

COLLECTION OF NORMATIVE DATA

From time to time we will be gathering data concerning how well a child must perform at a given level before he can be placed in a regular classroom. If we have sufficient data, placements can be made with a good deal more assurance of the child's chances for success. As this data bank is completed we will publish the results for your use.

USE OF THE DEVELOPMENTAL CHECKLIST OF MATHEMATICAL ABILITY (DCMA)

The DCMA has been included as an aid to the teacher in screening children for placement on specific levels within the mathematics continuum. It should be used prior to placing any child into your mathematics program. After the child is once placed, the P.T. evaluation sheets and charting of the child's progress will tell you where he is functioning at any time. You may want to simply check off, or date the summary sheet when a student meets criterion at various levels. Time and money are not included in the DCMA. You may wish to use one or more of the P.T. worksheets to screen for difficulties in these areas.

Each child's summary sheet and screening device should be maintained within your files in a separate folder. This will allow easy access to it for current entries and will also facilitate research work as we evaluate the effectiveness of the materials.

EVALUATION SHEETS*

Grade

School

Drill sheet number/numbers

COMMENTS :

*Please be certain to attach copies of objectives and/or evaluation sheets. Send to your special education director or consultant listed in the section on corrections.

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| PAGE | OBJECTIVE |
|--------|---|
| 1..... | Writing numbers from 1 to 10. |
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| 2 | |
| 3 | |
| 4 | |
| 2..... | Writing numbers from 1 to 20. |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 3..... | Writing numbers from 1 to 50. |
| 1 | |
| 2 | |
| 3 | |
| 4..... | Writing numbers from 1 to 100 in sequential order or on an ordered set of pictures for small blocks of numbers. |
| 1 | |
| 2 | |
| 3 | |
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| 3 | |
| 4 | |
| 5 | |
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| 3 | |
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| 3 | |
| 4 | |
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| 1 | |
| 2 | |
| 3 | |
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| 2 | |

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- 1
 - 2
 - 3
 - 4
 - 5

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1
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1
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3
4
5
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3
4
5
6
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1
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 - 2
 - 3
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- 1
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- 1
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- 1
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- 1
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- a
 - b
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- a
 - b
 - c
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- 1
 - 2
 - 3
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- a
 - b
 - c
 - d
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d
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a
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- 137.....Using equivalent liquid measures.
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d
- 141.....Identifying figures, circle, square, triangle, rectangle.
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d
- 142.....Reproducing circle, square, triangle, rectangle from memory.
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c
d
e
- 143.....Reading directions with names of simple geometric figures.
a
b
c
d

DEVELOPMENTAL CHECKLIST OF MATHEMATICAL ABILITY

Name _____ Sex _____ School _____

Teacher _____ Grade _____ Date _____ By _____

Test Areas

Check deficiencies

| Yes | No | | | | |
|-----|----|--|--|--|-------------------------------------|
| | | <u>Section I: Concepts of Numbers and Numerals</u> | | | <u>Section IV: Subtraction</u> |
| | | a. Counting orally | | | a. Basic facts |
| | | by 2's | | | b. Missing number |
| | | by 3's | | | c. Horizontal |
| | | by 5's | | | d. Two digit |
| | | by 10's | | | e. Three digit |
| | | by 20's | | | f. Regrouping |
| | | by 25's | | | f. Decimal |
| | | by 100's | | | |
| | | b. Recognition of sets | | | <u>Section V: Multiplication</u> |
| | | c. Writing numbers in sequence | | | a. Basic facts |
| | | d. Missing number identification | | | b. Missing multiplier |
| | | e. Visual identification of numbers | | | c. One digit multiplier |
| | | f. Distinguishing relationships | | | d. Two digit multiplier |
| | | g. Odd and even numbers | | | e. Three digit multiplier |
| | | | | | f. Decimals |
| | | | | | g. Horizontal |
| | | <u>Section II: Place Value</u> | | | <u>Section VI: Division</u> |
| | | a. Ones | | | a. Horizontal (Basic) |
| | | b. Tens | | | b. One digit divisor |
| | | c. Hundreds | | | c. Two digit divisor |
| | | d. Thousands | | | d. Remainders |
| | | <u>Section III: Addition</u> | | | <u>SECTION VII: Fractions</u> |
| | | a. Basic number combinations | | | a. Beginning identification |
| | | b. Missing addends | | | b. Finding fractional parts |
| | | c. Horizontal | | | c. Addition of fractions |
| | | d. Two and three digit numbers | | | d. Subtraction of fractions |
| | | e. Regrouping | | | e. Multiplication of fractions |
| | | f. Column addition | | | <u>SECTION VIII: Story Problems</u> |
| | | g. Decimals | | | a. Using addition |
| | | | | | b. Using subtraction |
| | | | | | c. Using multiplication |
| | | | | | d. Using division |

SECTION 1:

Concepts of Numbers and Numerals

A. Oral Number Identification "Lower grades"

1. Count by 2's? To _____.
2. Count by 3's? To _____.
3. Count by 5's? To _____.
4. Count by 10's? To _____.
5. Count by 20's? To _____.
6. Count by 25's? To _____.
7. Count by 100's? To _____.

B. Recognition of Sets

1. "Draw a set of three circles."
2. "Circle a set of five." / / / / /
3. "Draw a set one more than this set." / / /

C. Writing Numbers in Sequence

"Let's see how far you can write your numbers."

D. Missing Number Identification

"Fill the missing numbers in the blanks."
(Circle the incorrect responses)

1. 2 4
2. 7 9
3. 67
4. 34
5. 5
6. 23 23
7. 30
8. 200

9. 30 40 50 _____
10. 500 600 _____
11. 2 4 6 _____
12. 20 18 16 _____
13. 45 50 55 _____
14. 24 27 30 _____

E. Visual Identification of Numbers

"Say these numbers as I point to each."
(Circle incorrect responses)

6 7 1 5 2 8 4 3 113 15 13
16 11 18 14 12 17 201 19 21
32 42 54 65 76 87 92 503 812
1003

F. Distinguishing Relationships

"Underline correct answer."

(greater than)

1. 5 is (less than) 4?

(less than)

2. 20 is (greater than) 25?

(less than)

3. 32 is 1 (greater than) 33?

(less than)

4. 114 is (greater than) 111?

(less than)
5. 54 is 2 (greater than) 52.

(72)

(44)

6. One less than 45 equals (46)

(42)

(right)

7. 3 is to the (left) of 4.

(right)

8. 9 is to the (left) of 7.

(>)

9. 6 is (<) 0.

(<)

10. 2 is (>) 5.

(<)

11. 14 is (>) 17.

(>)

12. 89 is (<) 91.

G. Odd and Even Numbers

"Underline the odd numbers."

1 2 3 4 5 6 7 8 9 10 13 20
72 56 44

"Underline the even numbers."

8 9 10 11 12 2 3 9 4 1 84
54 36

SECTION II:

Place Values

A. Ones

1. 6 ones equal _____.
2. 7 ones equal _____.
3. 10 ones equal _____.

B. Tens

1. 2 tens equal _____.
2. 8 tens equal _____.
3. One ten and 7 ones equal _____.

4. Four 10's and 3 ones equal _____.
5. Five ones and 6 10's equal _____.
6. 64 equals _____ tens and _____ ones.
7. 19 equals _____ tens and _____ ones.

C. Hundreds

1. Ten 10's equal _____ 100's.
2. 30 tens equal _____ 100's.
3. 100, 4 tens, and 6 ones equals _____.
4. 5 ones, three 100's, and 0 tens equals _____.
5. Eight 100's, 9 tens, and 2 ones equal _____.

D. Thousands

1. Six 1000's and four 100's equal _____
2. Eight 1000's and three 100's
equal (80300, 8030, 8003, or 8300)

3. Twelve 100's and 12 ones equal
(1212, 120,012, or 12,012)

SECTION III:

Addition
(Circle Incorrect Responses)

A. Basic Number Combinations

1. $2 + 2 = \underline{\hspace{2cm}}$.

2. $6 + 4 = \underline{\hspace{2cm}}$.

3. $7 + 3 = \underline{\hspace{2cm}}$.

B. Missing Addends

1. $3 + \underline{\hspace{2cm}} = 5$

2. $\underline{\hspace{2cm}} + 8 = 10$

3. $5 + \underline{\hspace{2cm}} = 8$

C. Horizontal

1. $(3 + 4) + 1 = \underline{\hspace{2cm}} + 1$

2. $5 + (5 + 1) = 5 + \underline{\hspace{2cm}}$.

D. Two and Three Digit Numbers

| | | | | | | |
|------------|------------|------------|------------|-------------|-------------|-------------|
| 14 | 20 | 36 | 10 | 113 | 250 | 308 |
| <u>+73</u> | <u>+40</u> | <u>+20</u> | <u>+ 9</u> | <u>+204</u> | <u>+110</u> | <u>+ 21</u> |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ |

E. Regrouping

| | | | | | |
|------------|------------|-------------|-------------|--------------|--------------|
| 42 | 14 | 296 | .45 | 6855 | 6429 |
| <u>+49</u> | <u>+ 7</u> | <u>+145</u> | <u>+.35</u> | <u>+2796</u> | <u>+2796</u> |
| _____ | _____ | _____ | _____ | _____ | _____ |

F. Column Addition

| | | |
|-----------|-----------|----------|
| 26 | 6 | 4 |
| 52 | 36 | 4 |
| <u>35</u> | <u>18</u> | 3 |
| _____ | _____ | <u>8</u> |
| | | _____ |

G. Decimals

| | | |
|--------------|---------------|------------|
| \$1.04 | \$2.56 | 1.12 |
| <u>+ .17</u> | <u>+ 3.45</u> | .36 |
| _____ | _____ | .29 |
| | | <u>.54</u> |
| | | _____ |

SECTION IV:

Subtraction

A. Basic Facts

$$5 - 2 = \underline{\quad\quad\quad}.$$

$$8 - 3 = \underline{\quad\quad\quad}.$$

$$7 - 0 = \underline{\quad\quad\quad}.$$

$$1 - 1 = \underline{\quad\quad\quad}.$$

$$10 - 6 = \underline{\quad\quad\quad}.$$

B. Missing Numbers

$$4 - \underline{\quad\quad} = 2.$$

$$1 - \underline{\quad\quad} = \underline{\quad\quad}.$$

$$7 - \underline{\quad\quad} = 4.$$

C. Horizontal

$$14 - 8 = \underline{\quad\quad\quad}.$$

$$18 - 9 = \underline{\quad\quad\quad}.$$

$$19 - 3 = \underline{\quad\quad\quad}.$$

D. Two Digit

$$\begin{array}{r} 15 \\ - 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ - 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ - 21 \\ \hline \end{array}$$

E. Three Digit

$$\begin{array}{r} 897 \\ -417 \\ \hline \end{array}$$
$$\begin{array}{r} 729 \\ -603 \\ \hline \end{array}$$

F. Regrouping

$$\begin{array}{r} 24 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 38 \\ -9 \\ \hline \end{array}$$
$$\begin{array}{r} 117 \\ -62 \\ \hline \end{array}$$
$$\begin{array}{r} 102 \\ -81 \\ \hline \end{array}$$
$$\begin{array}{r} 110 \\ -29 \\ \hline \end{array}$$
$$\begin{array}{r} 828 \\ -139 \\ \hline \end{array}$$

$$\begin{array}{r} 516 \\ -468 \\ \hline \end{array}$$
$$\begin{array}{r} 500 \\ -421 \\ \hline \end{array}$$
$$\begin{array}{r} 8491 \\ -6289 \\ \hline \end{array}$$
$$\begin{array}{r} 1234 \\ -526 \\ \hline \end{array}$$

G. Decimal

$$\begin{array}{r} \$.95 \\ - .42 \\ \hline \end{array}$$
$$\begin{array}{r} \$8.45 \\ - 3.98 \\ \hline \end{array}$$
$$\begin{array}{r} \$62.04 \\ - 5.30 \\ \hline \end{array}$$

SECTION V:

Multiplication

A. Basic Facts

$$\begin{array}{l} 1. \quad 2 \times 2 = \underline{\quad} \\ 2. \quad 5 \times 3 = \underline{\quad} \\ 3. \quad 4 \times 3 = \underline{\quad} \end{array}$$
$$\begin{array}{l} 4. \quad 5 \times 2 = \underline{\quad} \\ 5. \quad 4 \times 1 = \underline{\quad} \\ 6. \quad 6 \times 0 = \underline{\quad} \end{array}$$

$$7. \quad 7 \times 6 = \underline{\quad}$$

$$9. \quad 4 \times 10 = \underline{\quad}$$

$$8. \quad 8 \times 7 = \underline{\quad}$$

B. Missing Multiplier

$$1. \quad 4 \times \underline{\quad} = 12 \quad 4. \quad 6 \times \underline{\quad} = 18$$

$$2. \quad 3 \times \underline{\quad} = 21 \quad 5. \quad 7 \times \underline{\quad} = 28.$$

$$3. \quad 1 \times \underline{\quad} = 3$$

C. One Digit Multiplier

| | | | | |
|---------------|---------------|---------------|---------------|---------------|
| 14 | 20 | 312 | 201 | 200 |
| $\times 2$ | $\times 9$ | $\times 3$ | $\times 4$ | $\times 8$ |
| <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

D. Two Digit Multiplier

| | | | | |
|---------------|---------------|---------------|---------------|---------------|
| 31 | 12 | 25 | 200 | 102 |
| $\times 23$ | $\times 40$ | $\times 12$ | $\times 37$ | $\times 56$ |
| <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

E. Three Digit Multiplier

$$\begin{array}{r} 362 \\ \times 279 \\ \hline \end{array}$$

F. Decimals

| | | | |
|--|--|--|---|
| $\begin{array}{r} .3 \\ \times .4 \\ \hline \end{array}$ | $\begin{array}{r} 7.96 \\ \times 30.8 \\ \hline \end{array}$ | $\begin{array}{r} 6.23 \\ \times 12.7 \\ \hline \end{array}$ | $\begin{array}{r} \$4.35 \\ \times 3 \\ \hline \end{array}$ |
|--|--|--|---|

G. Horizontal

$$50 \times (2 + 4) = \underline{\hspace{2cm}}$$

$$70 \times 40 = \underline{\hspace{2cm}}. \quad 50 \times 600 = \underline{\hspace{2cm}}.$$

SECTION VI:

Division

A. Horizontal (basic)

| | |
|---|---|
| $8 \div 2 = \underline{\hspace{2cm}}.$ | $\$.48 \div 2 = \underline{\hspace{2cm}}.$ |
| $9 \div 3 = \underline{\hspace{2cm}}.$ | $680 \div 2 = \underline{\hspace{2cm}}.$ |
| $12 \div 4 = \underline{\hspace{2cm}}.$ | $\$.96 \div 3 = \underline{\hspace{2cm}}.$ |
| $10 \div 1 = \underline{\hspace{2cm}}.$ | |

B. One Digit Divisor

| | | | |
|-------------------|-------------------|-------------------|--------------------|
| $3 \overline{)6}$ | $4 \overline{)8}$ | $5 \overline{)5}$ | $2 \overline{)82}$ |
|-------------------|-------------------|-------------------|--------------------|

| | |
|--------------------|---------------------|
| $3 \overline{)93}$ | $2 \overline{)124}$ |
|--------------------|---------------------|

C Two digit divisor

$$15 \overline{) 90}$$

$$60 \overline{) 1200}$$

$$40 \overline{) 4080}$$

$$36 \overline{) 144}$$

D. Remainders

$$2 \overline{) 9}$$

$$7 \overline{) 15}$$

$$3 \overline{) 610}$$

$$2 \overline{) 197}$$

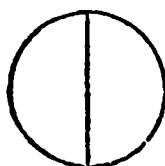
$$5 \overline{) 151}$$

$$8 \overline{) \$24.38}$$

SECTION VII:

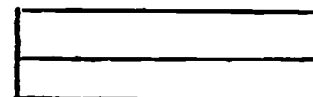
Fractions

A. Beginning identification

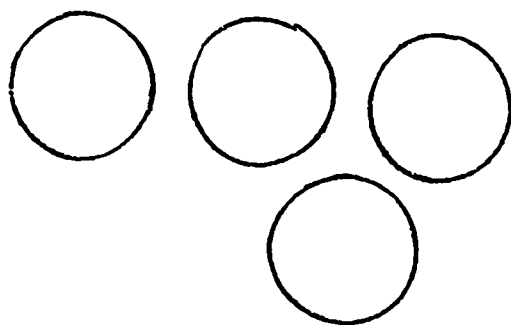


"Shade $\frac{1}{2}$ of the circle "

"Shade $\frac{1}{2}$ of this box "



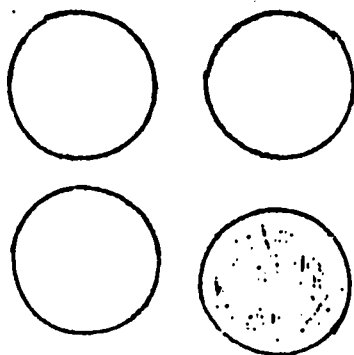
"Shade $\frac{2}{3}$ of this circle."



"Circle $\frac{1}{2}$ of the balls."



"Write the fraction for the shaded triangle."



"Write the fraction for the shaded circle."

B. Finding fractional part

$$\frac{1}{2} \text{ of } 1 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ of } 2 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ of } 12 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ of } 6 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \text{ of } 15 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \text{ of } 24 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \text{ of } 99 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \text{ of } 18 = \underline{\hspace{2cm}}$$

$$\frac{1}{4} \text{ of } 36 = \underline{\hspace{2cm}}$$

$$\frac{1}{5} \text{ of } 15 = \underline{\hspace{2cm}}$$

$$\frac{1}{5} \text{ of } 45 = \underline{\hspace{2cm}}$$

$$\frac{12}{2} = \underline{\hspace{2cm}} \quad \frac{4}{2} = \underline{\hspace{2cm}}$$

$$\frac{18}{3} = \underline{\hspace{2cm}} \quad \frac{20}{10} = \underline{\hspace{2cm}}$$

Which is greater, $1/4$ or $1/3$? _____

$$\frac{2}{8} = \frac{\quad}{4} \quad \frac{3}{6} = \frac{\quad}{2} \quad \frac{2}{3} = \frac{\quad}{12}$$

C Addition of fractions

| | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| $\frac{1}{5}$ | $\frac{5}{8}$ | $\frac{2}{8}$ | $\frac{2}{3}$ | $\frac{7}{8}$ | $\frac{1}{4}$ | $\frac{3}{6}$ |
| $+\frac{3}{5}$ | $+\frac{2}{8}$ | $+\frac{4}{8}$ | $+\frac{1}{3}$ | $+\frac{1}{8}$ | $+\frac{1}{4}$ | $+\frac{2}{6}$ |
| <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| — | — | — | — | — | — | — |

| | | | | | |
|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|
| $1 \frac{1}{4}$ | $2 \frac{1}{3}$ | $1 \frac{3}{8}$ | $3 \frac{2}{4}$ | $\frac{1}{3}$ | $4 \frac{5}{6}$ |
| $+\frac{1}{4}$ | $+\frac{1}{3}$ | $+\frac{2}{8}$ | $+\frac{1}{4}$ | $+\frac{1}{2}$ | $+\frac{1}{3}$ |
| <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| — | — | | — | — | $+\frac{1}{2}$ |
| | | | | | <u> </u> |
| | | | | | — |

$$1 \frac{3}{4} = \frac{\quad}{4}$$

D. Subtraction of fractions

$$\frac{2}{3} - \frac{1}{3} = \underline{\hspace{2cm}} \quad \frac{7}{9} - \frac{5}{9} = \underline{\hspace{2cm}} \quad 1 - \frac{1}{8} = \underline{\hspace{2cm}}$$

| | | | | | |
|-------------------|-------------------|-------------------|-----------------|-------------------|-----------------|
| $3 \frac{3}{4}$ | $6 \frac{3}{4}$ | $9 \frac{5}{8}$ | $5 \frac{7}{8}$ | $3 \frac{7}{8}$ | $\frac{4}{4}$ |
| $- 2 \frac{2}{4}$ | $- 1 \frac{1}{4}$ | $- 2 \frac{1}{8}$ | $- \frac{1}{8}$ | $- 2 \frac{2}{4}$ | $- \frac{2}{4}$ |
| <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
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$$\begin{array}{r} 5 \\ - 1 \frac{1}{3} \\ \hline \hline \end{array}$$

E. Multiplication of fractions

$$\frac{1}{3} \times \frac{1}{3} = \underline{\hspace{2cm}} \quad \frac{1}{2} \times \frac{2}{4} = \underline{\hspace{2cm}}$$

$$\frac{1}{2} = \underline{\hspace{2cm}}\% \quad \frac{3}{8} = \underline{\hspace{2cm}}\% \quad 75\% = \underline{\hspace{2cm}}$$

SECTION VIII:

Story Problems

A. Addition

1. Jim had 2 pennies. His mother gave him 2 more pennies. How many pennies did he have in all? _____
2. Tom had a dime and Bev gave him a nickel. How much money did he have? _____ cents

B. Subtraction

1. Peter had 6 arrows. Jim had 4 arrows. How many more arrows does Peter have than Jim? _____
2. Jim had 3 dimes and a nickel. He spent 31 cents on ice cream. How much did he have left? _____ cents

C. Multiplication

1. One boat has 2 oars. How many oars do 3 boats have? _____
2. $\frac{3}{4}$ of a year is how many months?

D Division

1. How many minutes are in $1/2$ hour?
_____ minutes

2. Mother made 12 cupcakes. She put them in 3 boxes. How many cupcakes did she put in each box? _____

Writing numbers from 1 to 10.

NAME DATE CLASS TIME COUNT

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

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|---|---|---|---|---|---|---|---|---|----|--|--|--|--|--|--|--|--|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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1, 2, 3, 4, 5, 6, 7, 8, 9, 10

42

[illegible]

Writing numbers from 1 to 20.

[illegible]

[illegible]

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1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

COUNT

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11-11-11

Writing numbers from 1 to 50.

Writing numbers from 1 to 100 in sequential order or on an ordered set of pictures for small blocks of numbers.

[illegible]

COUNT

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1, , , , , 10,

Identifying what number comes after a given number, between two numbers, or before any given number for numbers to 100 with or without structured groups.

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|----------|--|----|----|----|----|---|----|--|----|
| 5 | | 7 | X | 11 | | X | 20 | | 22 |
| 15 | | X | 26 | | 28 | X | 31 | | 33 |
| 19 | | X | 37 | | 39 | X | 43 | | X |
| 51 | | 53 | X | | 60 | X | 65 | | 67 |
| 58 19 | | X | 69 | | 71 | X | 81 | | X |
| 9 | | X | 41 | | 43 | X | 93 | | 95 |
| 83 | | 85 | X | 90 | | X | 91 | | 93 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 11 | | 13 | X | | 7 | X | 9 | | X |
| 22 | | 24 | X | | 33 | X | 56 | | 58 |
| 59 | 27 | X | 41 | | 43 | X | | 60 | X |
| 71 | | 73 | X | | 52 | X | 19 | | 21 |
| X | | 29 | X | 45 | | 47 | X | | 39 |
| 83 | | 85 | X | | 15 | X | 29 | | 31 |
| 50 | | 52 | X | | 66 | X | 46 | | 48 |

COUNT

TIME

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NAME

| | | | | | | | | | |
|----|----|----|-----|----|-----|----|----|-----|----|
| 14 | | 16 | X | | 11 | X | | 46 | X |
| 60 | 33 | X | 91 | | X | 56 | | 58 | X |
| 61 | | 63 | X | 71 | | X | | 14 | X |
| 91 | | 93 | X | | 20 | X | 24 | | 26 |
| | 43 | X | 54 | | X | 99 | | 101 | X |
| 77 | | 79 | X | | 65 | X | 72 | | 74 |
| | 50 | X | 105 | | 107 | X | | 31 | |

COUNT

TIME

CLASS

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| | | | | | | | | | |
|-----|-----|-----|----|-----|----|-----|-----|-----|-----|
| 18 | | 20 | X | | 40 | X | 0 | | 2 |
| 61 | 100 | X | 56 | | X | | 80 | | X |
| 16 | | 18 | X | | 94 | | X | 109 | |
| 89 | | 91 | X | 61 | | 63 | X | | 30 |
| 101 | | 103 | X | 105 | | 107 | X | 116 | |
| 131 | | 133 | X | 120 | | 122 | X | | 100 |
| | 78 | X | 54 | | 56 | X | 140 | | 142 |

COUNT

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| | | | | | | | | | |
|----|-----|----|-----|----|----|----|-----|----|-----|
| | 115 | | 117 | X | 11 | | X | | 37 |
| 56 | 57 | | 59 | X | | | X | 98 | |
| 62 | | 10 | X | | 73 | X | 105 | | 107 |
| 17 | | | 20 | X | | 35 | X | 19 | |
| | 61 | | 63 | X | | 16 | X | 43 | |
| | 112 | | 114 | X | | 30 | X | 15 | |
| | 96 | | X | 51 | | 53 | X | | 80 |

Selecting which of two (or three) numbers is greater (greatest), smaller (smallest) for numbers to 100.

COUNT

TIME

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DATE

NAME

| | | | | | | | | | | |
|------|----|---|----|----|---|----|----|---|----|----|
| 3 | 2 | X | 9 | 7 | X | 14 | 16 | X | 29 | 31 |
| 19 | 20 | X | 15 | 17 | X | 13 | 14 | X | 0 | 1 |
| 19 | 18 | X | 23 | 24 | X | 34 | 33 | X | 20 | 21 |
| 6431 | 32 | X | 25 | 26 | X | 40 | 39 | X | 36 | 35 |
| 42 | 41 | X | 27 | 28 | X | 46 | 45 | X | 12 | 11 |
| 61 | 60 | X | 49 | 50 | X | 26 | 27 | X | 47 | 46 |
| 73 | 72 | X | 77 | 76 | X | 81 | 82 | X | 84 | 83 |

NAME

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CLASS

TIME

COUNT

| | | | | | | | | | | |
|----------|----|----|---|----|----|----|---|----|----|----|
| 6 | 5 | 7 | X | 1 | 2 | 0 | X | 10 | 9 | 11 |
| 21 | 20 | 19 | X | 3 | 5 | 4 | X | 14 | 12 | 13 |
| 16 | 15 | 14 | X | 23 | 24 | 25 | X | 31 | 30 | 29 |
| 65 18 | 20 | 19 | X | 34 | 33 | 35 | X | 36 | 37 | 35 |
| 20 | 21 | 19 | X | 47 | 48 | 46 | X | 40 | 39 | 38 |
| 51 | 52 | 53 | X | 49 | 47 | 48 | X | 69 | 70 | 71 |
| 41 | 40 | 42 | X | 39 | 40 | 41 | X | 64 | 66 | 65 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|---|
| 10 | 11 | X | 6 | 5 | X | 0 | 1 | X | X |
| X | 17 | 16 | X | 3 | 2 | X | 9 | 8 | X |
| 20 | 19 | X | 18 | 17 | X | 13 | 14 | X | X |
| 25 | 24 | X | 29 | 30 | X | 7 | 8 | X | X |
| 33 | 10 | 9 | X | 31 | 32 | X | 43 | 44 | X |
| 46 | 47 | X | 49 | 48 | X | 12 | 11 | X | X |
| 20 | 19 | X | 36 | 37 | X | 51 | 52 | X | X |

COUNT

TIME

CLASS

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NAME

| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| 7 | 8 | 6 | X | 16 | 18 | 17 | X | 9 | 10 | 11 |
| 21 | 19 | 20 | X | 31 | 29 | 30 | X | 15 | 14 | 13 |
| 67 | 1 | 2 | X | 35 | 36 | 37 | X | 34 | 32 | 33 |
| X | 42 | 41 | 40 | X | 49 | 47 | 48 | X | 44 | 43 |
| 18 | 19 | 20 | X | 51 | 53 | 52 | X | 66 | 64 | 65 |
| 83 | 84 | 82 | X | 79 | 78 | 77 | X | 59 | 58 | 60 |
| 63 | 61 | 62 | X | 99 | 98 | 97 | X | 68 | 66 | 67 |

Reading and writing short sequences of numbers from any starting point to 200.

[illegible]

[illegible]

| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|------|------|-------|------|-------|---|----|--|--|----|
| 2 | | | | | | | | | |
| | 15 | X | 25 | | | | | | |
| 71 | | | | 36 | X | 18 | | | |
| | | 24 | X | 49 | | | | | |
| | | 57 | X | 99 | | | | | |
| | 106 | X | 83 | | | | | | |
| | 90 | X | 72 | | | | | | 77 |

COUNT

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CLASS

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|-----|--|--|--|--|--|-----|---|-----|-----|
| 81 | | | | | | 87 | X | 73 | |
| | | | | | | | | | |
| 72 | | | | | | 78 | X | 165 | |
| | | | | | | | | | |
| 210 | | | | | | 172 | X | 99 | 104 |
| | | | | | | | | | |
| 56 | | | | | | | | 61 | |
| | | | | | | | X | 48 | |
| | | | | | | 54 | X | 330 | 334 |
| 22 | | | | | | | | | 31 |

Completing exercises for counting by 10's from any starting point, limit to 200.

COUNT

TIME

CLASS

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NAME

| | | | | | | | | | |
|-------|----|----|----|----|----|----|----|----|-----|
| 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 60 | | | | | | | | | |
| 120 | | | | | | | | | |
| 74 40 | | | | | | | | | |
| 90 | | | | | | | | | |
| 150 | | | | | | | | | |
| 170 | | | | | | | | | |

COUNT

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|-------|--|--|--|--|--|--|--|--|--|
| 50 | | | | | | | | | |
| 10 | | | | | | | | | |
| 75 90 | | | | | | | | | |
| 130 | | | | | | | | | |
| 40 | | | | | | | | | |
| 200 | | | | | | | | | |
| 70 | | | | | | | | | |

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|----|-----|----|--------|----|-----|----|
| 30 | 100 | 50 | 76 210 | 10 | 250 | 80 |
| | | | | | | |
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Completing exercises for counting by 5's from 0 to 200 starting at multiples of 5.

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|--|
| 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | |
| 60 | 65 | | | | | | | | | | |
| 125 | | | | | | | | | | | |
| 170 | | | | | | | | | | | |
| 160 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 200 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|-----|----|----|--|--|--|--|--|--|--|
| 25 | 30 | 35 | | | | | | | |
| 5 | | | | | | | | | |
| 65 | | | | | | | | | |
| 79 | 90 | | | | | | | | |
| 125 | | | | | | | | | |
| 55 | | | | | | | | | |
| 225 | | | | | | | | | |

Completing exercises for counting by 2's from any starting point to 200, and identifying number as odd or even.

NAME DATE CLASS TIME COUNT

| | | | | | | | | | | |
|-------|---|---|---|----|----|----|----|----|----|--|
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | |
| 42 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 81 62 | | | | | | | | | | |
| 24 | | | | | | | | | | |
| 56 | | | | | | | | | | |
| 38 | | | | | | | | | | |

| | | | | | | | | | |
|----|---|---|---|---|----|----|----|----|----|
| 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 |
| 21 | | | | | | | | | |
| 82 | | | | | | | | | |
| 17 | | | | | | | | | |
| 55 | | | | | | | | | |
| 33 | | | | | | | | | |
| 69 | | | | | | | | | |
| 41 | | | | | | | | | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | |
|----|---|---|--|--|--|--|--|
| 1 | 3 | 5 | | | | | |
| 23 | | | | | | | |
| 67 | | | | | | | |
| 83 | | | | | | | |
| 19 | | | | | | | |
| 41 | | | | | | | |
| 37 | | | | | | | |

| | | | | | | |
|---|----|----------|----|-----|----|---|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 6 | 11 | 84 33 | 12 | 2.4 | 19 | 7 |

Completing exercises for counting by 10's, 5's, or 2's, limit 200; starting only with multiples of the index number. (mixed exercises)

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|-----|--|-----|--|-----|--|-----|--|-----|--|
| 2 | | 6 | | 10 | | 14 | | 18 | |
| 22 | | 26 | | 30 | | 34 | | 38 | |
| 42 | | 46 | | 50 | | 54 | | 58 | |
| 62 | | 66 | | 70 | | 74 | | 78 | |
| 82 | | 86 | | 90 | | 94 | | 98 | |
| 102 | | 106 | | 110 | | 114 | | 118 | |
| 122 | | 126 | | 130 | | 134 | | 138 | |
| 142 | | 146 | | 150 | | 154 | | 158 | |
| 162 | | 166 | | 170 | | 174 | | 178 | |
| 182 | | 186 | | 190 | | 194 | | 198 | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|-----|----|-----|-----|-----|-----|--|-----|-----|-----|
| 2 | | | 8 | | | | 16 | | 20 |
| | 24 | | | 30 | | | 34 | 38 | |
| | | 46 | | | 52 | | | | 60 |
| 62 | | | 68 | | | | 74 | 76 | |
| | 84 | | | 90 | | | | 98 | |
| 102 | | | 108 | | 112 | | | 118 | |
| 124 | | | | 130 | | | 134 | | 140 |
| | | 146 | | | 152 | | | 156 | |
| | | 166 | | 170 | | | | 178 | |
| 182 | | | 188 | | | | 194 | | 200 |

NAME

DATE

CLASS

TIME

COUNT

| | | | | |
|-------------|------------|------------|------------|------------|
| 2, 4, _____ | 8, _____ | 12, _____ | 16, _____ | 20, _____ |
| 24, _____ | 28, _____ | 32, _____ | 36, _____ | 40, _____ |
| 44, _____ | 48, _____ | 52, _____ | 56, _____ | 60, _____ |
| 64, _____ | 68, _____ | 72, _____ | 76, _____ | 80, _____ |
| 84, _____ | 88, _____ | 92, _____ | 96, _____ | 100, _____ |
| 104, _____ | 108, _____ | 112, _____ | 116, _____ | 120, _____ |
| 124, _____ | 128, _____ | 132, _____ | 136, _____ | 140, _____ |
| 144, _____ | 148, _____ | 152, _____ | 156, _____ | 160, _____ |
| 164, _____ | 168, _____ | 172, _____ | 176, _____ | 180, _____ |
| 184, _____ | 188, _____ | 192, _____ | 196, _____ | _____ |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 5 | 15 | 25 | 35 | 45 | |
| 55 | 65 | 75 | 85 | 95 | |
| 105 | 115 | 125 | 135 | 145 | |
| 155 | 165 | 175 | 185 | 195 | |
| | | | | | |
| 5 | 10 | 20 | 30 | 40 | 50 |
| 80 | 60 | 70 | 80 | 90 | 100 |
| | 110 | 120 | 130 | 140 | 150 |
| | 160 | 170 | 180 | 190 | 200 |

NAME

DATE

CLASS

TIME

COUNT

5, —, 20, —, 35, —, 50, —

55, —, 65, —, 80, —, 95, —

105, —, 120, —, 135, —, 150, —

90, —, 165, —, 185, —, 200, —

5, —, 10, —, 25, —, 30, —, 45, —, 50, —

—, —, 65, —, 70, —, 85, —, 90, —

105, —, 110, —, 125, —, 130, —, 140, —

155, —, 165, —, 175, —, 180, —, 195, —

COUNT

TIME

CLASS

DATE

NAME

10, —, 30, —, 50, —, 70, —, 90, —

110, —, 130, —, 150, —, 170, —

190, —.

91

10, 20, —, 40, —, 60, —, 80, —
—, 100, —, 120, —, 140, —

160, —, 180, —, 200.

NAME

DATE

CLASS

TIME

COUNT

10, 30, 60, 80,

110, 150, 200.

10, 50, 100,

150, 200.

10,

200.

| | | | | | |
|---|--|----|-----|----|-----|
| | | | 200 | | 200 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 5 | | 93 | | 10 | |

Reading and writing numbers to 1000.

COUNT

TIME

CLASS

DATE

NA ME

| | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 1 | 2 | 3 | | 5 | 6 | | 8 | 9 | | 12 | 13 | | | |
| 16 | | 18 | 19 | | | 22 | | 24 | 25 | | 28 | 29 | | |
| | 32 | 33 | | | | | 38 | | | 41 | 42 | | 45 | |
| 46 | | | 49 | | 51 | 52 | | | 55 | | 58 | | 60 | |
| 61 | 62 | | | | | 67 | 68 | 69 | | | | 74 | 75 | |
| 76 | | | 79 | | | | 83 | | | | 88 | | | |
| 85 | 92 | 93 | | | 96 | 97 | | | | | 103 | | | |
| 106 | 107 | | 109 | | | | | 114 | 115 | | | | | |
| 121 | 122 | | | 125 | | | 128 | 129 | | | | | | |
| 136 | | | | 140 | 141 | | | | | 146 | | 149 | | |
| | | 153 | | | | | 158 | 159 | | | | | | |
| 166 | | | | 170 | | 172 | | | | 176 | | | | |
| | 182 | | | | | | | 184 | | | 192 | | 195 | |
| 196 | | | 199 | | | | | 204 | | 206 | | 209 | | |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 211 | | 217 | 219 | 222 |
| 227 | 231 | | 235 | 238 |
| 243 | 261 | | 249 | 255 |
| 256 | 272 | 278 | | 284 |
| 286 | 289 | 292 | 296 | 299 |
| 303 | 308 | 309 | | 315 |
| 318 | 320 | | 326 | |
| 332 | 339 | 340 | | 345 |
| 350 | 351 | | 356 | |
| 361 | 365 | 369 | 370 | 375 |
| 376 | 379 | | 386 | |
| 392 | 396 | 400 | | |
| 408 | 410 | | 416 | 420 |

NAME _____

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|------|-----|--|--|--|--|-----|-----|
| 841 | 842 | | | | | | | 848 | | | | | | | | | 854 | |
| 856 | | 859 | | | | | | | | | 866 | | | | | | | 870 |
| 871 | 872 | | | 875 | | | | 877 | | | | | | | | | 884 | |
| | | | 889 | | | | | | 893 | 894 | | | | | | | 899 | |
| 901 | | | | | 906 | | | | | | | | | | | | 914 | |
| 909 | | | 919 | | | | | | | | 925 | | | | | | | |
| | 932 | | | | 936 | | | | | | | 941 | | | | | | |
| 946 | | | | | | | | | | 954 | 955 | | | | | | 959 | |
| | 962 | | | | | | | 967 | | | | 971 | | | | | | |
| 976 | | | | | | 981 | | | | | | | | | | | 989 | |
| 991 | | | | 995 | 996 | | | | 998 | | 1000 | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

Reading and writing short sequences backward or forward.

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| $1 + 1 = \square$ | $2 + 1 = \square$ | $3 + \square = 4$ | $4 + 1 = \square$ | $\square + 1 = 6$ |
| $\square + 1 = 3$ | $6 + \square = 7$ | $1 + 2 = \square$ | $\square + 1 = 7$ | $\square + 1 = 2$ |
| $7 + 1 = \square$ | $2 + \square = 3$ | $\square + 1 = 5$ | $2 + \square = 3$ | $6 + 1 = \square$ |
| $3 + 1 = \square$ | $\square + 1 = 8$ | $5 + \square = 6$ | $7 + \square = 8$ | $\square + 1 = 2$ |
| $4 + \square = 5$ | $5 + 1 = \square$ | $8 + 1 = \square$ | $\square + 1 = 4$ | $8 + \square = 9$ |
| $2 + 2 = \square$ | $3 + 2 = \square$ | $4 + 2 = \square$ | $\square + 1 = 9$ | $\square + 2 = 5$ |
| $\square + 2 = 5$ | $\square + 2 = 6$ | $2 + \square = 4$ | $4 + \square = 6$ | $\square + 2 = 4$ |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | |
|--------------------|--------------------|--------------------|--------------------|-------------------|
| $5 + 2 =$ | $8 + \square = 10$ | $3 + 3 =$ | $\square + 2 = 10$ | $7 + 2 =$ |
| $3 + \square = 6$ | $4 + 4 = \square$ | $6 + 2 =$ | $\square + 3 = 8$ | $4 + 3 =$ |
| $10 + \square = 9$ | $\square + 3 = 7$ | $5 + 3 =$ | $5 + \square = 7$ | $6 + 3 =$ |
| $5 + \square = 8$ | $\square + 3 = 9$ | $\square + 2 = 9$ | $7 + 3 = \square$ | $4 + \square = 7$ |
| $6 + \square = 9$ | $\square + 2 = 7$ | $\square + 3 = 10$ | $\square + 3 = 6$ | $6 + \square = 8$ |
| $6 + 4 = \square$ | $5 + 5 = \square$ | $\square + 2 = 8$ | $\square + 4 = 10$ | $9 + 0 =$ |
| $5 + \square = 10$ | $7 + \square = 10$ | $6 + \square = 10$ | $\square + 5 = 10$ | $8 + 2 =$ |

COUNT

TIME

CLASS

DATE

NAME

| | | | | |
|--------------------|--------------------|-------------------|--------------------|-------------------|
| $\square + 0 = 9$ | $3 + \square = 3$ | $8 + 0 = \square$ | $4 + 0 = \square$ | $\square + 0 = 7$ |
| $\square + 0 = 3$ | $6 + \square = 6$ | $1 + 0 = \square$ | $9 + \square = 9$ | $2 + 0 = \square$ |
| $\square + 0 = 6$ | $7 + 4 = \square$ | $\square + 0 = 2$ | $\square + 0 = 1$ | $6 + 0 = \square$ |
| $\square + 0 = 8$ | $\square + 0 = 4$ | $1 + \square = 1$ | $4 + \square = 4$ | $8 + \square = 8$ |
| $8 + 3 = \square$ | $2 + \square = 2$ | $5 + 0 = \square$ | $7 + \square = 11$ | $3 + \square = 3$ |
| $7 + \square = 7$ | $\square + 3 = 11$ | $7 + 4 = \square$ | $\square + 4 = 11$ | $5 + \square = 5$ |
| $8 + \square = 11$ | $\square + 4 = 11$ | $7 + 0 = \square$ | $7 + \square = 11$ | $\square + 0 = 5$ |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | |
|---------|-----------|-----------|----------|----------|
| $6+6=$ | $11+1=$ | $8+4=$ | $+3=12$ | $9+3=$ |
| $7+5=$ | $9+ =12$ | $+1=12$ | $7+6=$ | $+2=12$ |
| $+6=13$ | $11+ =12$ | $+6=14$ | $10+2=$ | $7+7=$ |
| $+4=12$ | $7+ =12$ | $7+ =13$ | $6+ =12$ | $8+6=$ |
| $+4=13$ | $+6=12$ | $8+ =14$ | $8+ =12$ | $9+4=$ |
| $+5=12$ | $8+5=$ | $10+ =12$ | $7+ =14$ | $8+7=$ |
| $+5=13$ | $+7=15$ | $+7=14$ | $8+ =13$ | $9+ =13$ |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | |
|-------------|-------------|-------------|-------------|-------------|
| $7 + 8 =$ | $9 + 8 =$ | $8 + 8 =$ | $9 + 9 =$ | $9 + 6 =$ |
| $10 + 7 =$ | $18 + = 18$ | $8 + = 15$ | $17 + = 18$ | $18 + 0 =$ |
| $+ 1 = 18$ | $+ 9 = 18$ | $17 + 1 =$ | $+ 7 = 17$ | $9 + = 15$ |
| $+ 6 = 15$ | $+ 2 = 18$ | $10 + = 17$ | $16 + 2 =$ | $9 + = 15$ |
| $16 + = 18$ | $8 + = 16$ | $15 + 3 =$ | $+ 8 = 16$ | $14 + 4 =$ |
| $+ 8 = 17$ | $+ 3 = 18$ | $9 + = 17$ | $+ 4 = 18$ | $15 + = 18$ |
| $13 + 5 =$ | $14 + = 18$ | $+ 0 = 18$ | $+ 5 = 18$ | $13 + = 18$ |

Skip counting by 3's to 1000 backward or forward.

NAME **107**

DATE CLASS TIME COUNT

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
| 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |
| 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |
| 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 |
| 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 |
| 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 |
| 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 |
| 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 |
| 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 |
| 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 |
| 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 |
| 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 |
| 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 |

COUNT

TIME

CLASS

DATE

NAME 108

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 308 | 307 | 306 | 305 | 304 | 303 | 302 | 301 | 300 | 299 | 298 | 297 | 296 | 295 | 294 | 293 | 292 | 291 | 290 | 289 | 288 | 287 |
| 286 | 285 | 284 | 283 | 282 | 281 | 280 | 279 | 278 | 277 | 276 | 275 | 274 | 273 | 272 | 271 | 270 | 269 | 268 | 267 | 266 | 265 |
| 264 | 263 | 262 | 261 | 260 | 259 | 258 | 257 | 256 | 255 | 254 | 253 | 252 | 251 | 250 | 249 | 248 | 247 | 246 | 245 | 244 | 243 |
| 242 | 241 | 240 | 239 | 238 | 237 | 236 | 235 | 234 | 233 | 232 | 231 | 230 | 229 | 228 | 227 | 226 | 225 | 224 | 223 | 222 | 221 |
| 220 | 219 | 218 | 217 | 216 | 215 | 214 | 213 | 212 | 211 | 210 | 209 | 208 | 207 | 206 | 205 | 204 | 203 | 202 | 201 | 200 | 199 |
| 198 | 197 | 196 | 195 | 194 | 193 | 192 | 191 | 190 | 189 | 188 | 187 | 186 | 185 | 184 | 183 | 182 | 181 | 180 | 179 | 178 | 177 |
| 176 | 175 | 174 | 173 | 172 | 171 | 170 | 169 | 168 | 167 | 166 | 165 | 164 | 163 | 162 | 161 | 160 | 159 | 158 | 157 | 156 | 155 |
| 154 | 153 | 152 | 151 | 150 | 149 | 148 | 147 | 146 | 145 | 144 | 143 | 142 | 141 | 140 | 139 | 138 | 137 | 136 | 135 | 134 | 133 |
| 132 | 131 | 130 | 129 | 128 | 127 | 126 | 125 | 124 | 123 | 122 | 121 | 120 | 119 | 118 | 117 | 116 | 115 | 114 | 113 | 112 | 111 |
| 110 | 109 | 108 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 95 | 94 | 93 | 92 | 91 | 90 | 89 |
| 88 | 87 | 86 | 85 | 84 | 83 | 82 | 81 | 80 | 79 | 78 | 77 | 76 | 75 | 74 | 73 | 72 | 71 | 70 | 69 | 68 | 67 |
| 66 | 65 | 64 | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 |
| 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 |
| 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

NAME DATE CLASS TIME COUNT

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 3 | 9 | 15 | 21 | 27 | 33 |
| 109 | 39 | 45 | 51 | 57 | 63 |
| 69 | 75 | 81 | 87 | 93 | 99 |
| 102 | 108 | 114 | 120 | 126 | 132 |
| | 138 | 144 | 150 | 156 | 162 |
| 168 | 174 | 180 | 186 | 192 | 198 |
| 201 | 207 | 213 | 219 | 225 | 231 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | |
|-----|-----|--|----|-----|-----|-----|-----|----|-----|----|-----|----|
| 3 | | | | 12 | | | | 24 | | | | 33 |
| | | | | 45 | | | | | 60 | | | |
| | | | 75 | | | | | | | 98 | | |
| | | | | | | | 101 | | | | | |
| | | | | 144 | | | | | 159 | | | |
| 168 | | | | | 180 | | | | | | | |
| | HOE | | | | | nie | | | | | 88e | |

[illegible]

Skip counting by 4's to 1000 backward or forward.

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 4 | 8 | 12 | | 20 | 24 | | 32 | 36 | | 44 |
| 48 | | 56 | | 64 | 68 | | 76 | | 84 | | 92 |
| 96 | 100 | | 108 | | 116 | | 124 | 128 | | 136 | 140 |
| 113 | | 152 | 156 | | 164 | 168 | | 176 | 180 | | |
| 192 | 196 | | 204 | 208 | | 216 | 220 | | 228 | 232 | |
| 240 | | 248 | 252 | | 260 | | 268 | | 276 | | 284 |
| 288 | | 296 | | 304 | | 312 | | | | 328 | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 336 | | 344 | | 352 | | 360 | | 368 | | 376 |
| | 384 | . | 392 | | 400 | | 408 | | 416 | |
| 424 | | 432 | | 440 | | 448 | | 556 | | 564 |
| 114 | 572 | | 580 | | 588 | | 596 | | 604 | |
| 612 | | 620 | | 628 | | 632 | | 640 | | 648 |
| | 656 | | 664 | | 672 | | 680 | | 688 | |
| 696 | | 704 | | 712 | | 720 | | 728 | | 736 |

NAME DATE CLASS TIME COUNT

| | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 740 | | 748 | | 756 | | 764 | | 772 | | 780 |
| | 788 | | 796 | | 804 | | 812 | | 820 | |
| 828 | | 836 | | 844 | | 852 | | 860 | | 868 |
| 115 | 876 | | 884 | | 892 | | 900 | | 908 | |
| 916 | | 924 | | 932 | | 940 | | 948 | | 956 |
| | 964 | | 972 | | 980 | | 988 | | 996 | |
| | | | | | | | | | | |

NAME DATE CLASS TIME COUNT

| | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1000 | | 992 | | 984 | | 976 | | 968 | | 960 |
| | 952 | | 944 | | 936 | | 928 | | 920 | |
| 912 | | 904 | | 896 | | 888 | | 876 | | |
| 116 | 868 | | 860 | | 852 | | 844 | | 836 | |
| 828 | | 820 | | 812 | | 804 | | 796 | | 788 |
| | 780 | | 772 | | 764 | | 756 | | 748 | |
| 740 | | 732 | | 724 | | 716 | | 708 | | 704 |

Finding the sums and differences for addition and subtraction statements with "+" and "-" signs.

| NAME | DATE | CLASS | TIME | COUNT |
|---------|---------|---------|---------|----------|
| 4 +2 | 2 +1 | 3 +0 | 5 +1 | 4 +3 |
| | | | | 5 +4 |
| | | | | 6 +1 |
| | | | | 3 +3 |
| 3 +4 | 2 +0 | 2 +4 | 8 +1 | 6 +7 |
| | | | | 5 +5 |
| | | | | 4 +4 |
| | | | | 5 +0 |
| | | | | 6 +3 |
| | | | | 7 +2 |
| 0 +3 | 1 +9 | 4 +1 | 6 +0 | 4 +5 |
| | | | | 5 +3 |
| | | | | 3 +6 |
| | | | | 8 +1 |
| | | | | 1 +1 |
| | | | | 3 +1 |
| 4 +6 | 4 +3 | 8 +2 | 5 +0 | 6 +7 |
| | | | | 3 +6 |
| | | | | 2 +6 |
| | | | | 7 +1 |
| | | | | 10 +0 |
| | | | | 2 +8 |
| 9 +0 | 3 +6 | 8 +0 | 9 +0 | 5 +1 |
| | | | | 2 +3 |
| | | | | 4 +5 |
| | | | | 2 +8 |
| | | | | 6 +4 |
| | | | | 3 +7 |
| 7 +1 | 9 +1 | 1 +3 | 5 +2 | 2 +4 |
| | | | | 3 +5 |
| | | | | 6 +2 |
| | | | | 6 +8 |
| | | | | 4 +6 |
| | | | | 1 +9 |
| 4 +4 | 4 +5 | 6 +3 | 0 +0 | 4 +1 |
| | | | | 2 +8 |
| | | | | 1 +0 |
| | | | | 7 +3 |

NAME

DATE

CLASS

TIME

COUNT

$$4 + 2 = \quad 2 + 3 = \quad 4 + 1 = \quad 3 + 0 = \quad 6 + 2 =$$

$$4 + 3 = \quad 5 + 3 = \quad 6 + 4 = \quad 7 + 2 = \quad 10 + 2 =$$

$$120 \quad 2 + 3 = \quad 7 + 3 = \quad 8 + 3 = \quad 5 + 5 = \quad 4 + 7 =$$

$$8 + 6 = \quad 7 + 5 = \quad 9 + 5 = \quad 10 + 4 = \quad 4 + 5 =$$

$$2 + 12 = \quad 3 + 10 = \quad 2 + 6 = \quad 8 + 4 = \quad 12 + 1 =$$

$$6 + 6 = \quad 7 + 4 = \quad 5 + 8 = \quad 6 + 7 = \quad 8 + 6 =$$

$$11 + 3 = \quad 9 + 3 = \quad 12 + 2 = \quad 7 + 7 = \quad 13 + 1 =$$

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$$5-3 = \quad 6-4 = \quad 7-5 = \quad 5-5 = \quad 8-6 =$$

$$6-2 = \quad 7-3 = \quad 5-4 = \quad 8-2 = \quad 10-4 =$$

$$12-3 = \quad 11-2 = \quad 12-6 = \quad 10-5 = \quad 13-3 =$$

$$121 \quad 11-6 = \quad 10-7 = \quad 14-9 = \quad 9-2 = \quad 12-4 =$$

$$13-8 = \quad 12-5 = \quad 14-4 = \quad 12-7 = \quad 15-11 =$$

$$13-6 = \quad 14-6 = \quad 15-2 = \quad 16-4 = \quad 14-8 =$$

$$9-6 = \quad 12-7 = \quad 16-5 = \quad 15-5 = \quad 16-6 =$$

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$$5 + 3 = \quad 6 + 4 = \quad 7 - 5 = \quad 5 + 5 = \quad 8 + 6 =$$

$$10 - 8 = \quad 11 - 2 = \quad 14 - 7 = \quad 11 + 2 = \quad 14 - 3 =$$

$$122 \quad 11 + 6 = \quad 10 - 7 = \quad 14 - 9 = \quad 9 + 2 = \quad 13 + 3 =$$

$$14 - 8 = \quad 9 - 2 = \quad 12 + 4 = \quad 16 - 6 = \quad 15 - 11 =$$

$$13 - 6 = \quad 14 + 3 = \quad 15 - 3 = \quad 14 - 10 = \quad 12 - 6 =$$

$$9 - 6 = \quad 7 + 7 = \quad 9 + 5 = \quad 12 - 8 = \quad 13 - 5 =$$

$$16 - 8 = \quad 8 + 8 = \quad 9 + 6 = \quad 11 - 6 = \quad 14 - 12 =$$

Selecting other names for numbers by matching addition or subtraction expressions $(N+M)$ or $(N-M)$ with pictured groups or numbers to 12.

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$$(4+1)=\underline{\quad} \quad (2+0)=\underline{\quad} \quad (3+3)=\underline{\quad} \quad (4+2)=\underline{\quad} \quad (0+5)=\underline{\quad}$$

$$(5+1)=\underline{\quad} \quad (1+3)=\underline{\quad} \quad (2+3)=\underline{\quad} \quad (6+0)=\underline{\quad} \quad (1+4)=\underline{\quad}$$

$$(5+)=6 \quad (2+)=4 \quad (3+)=5 \quad (6+)=6 \quad (3+)=6$$

$$(2+)=5 \quad (1+)=5 \quad (4+)=6 \quad (3+)=4 \quad (2+)=3$$

$$(-+3)=6 \quad (-+2)=6 \quad (-+1)=3 \quad (-+2)=4 \quad (-+5)=6$$

$$(-+1)=4 \quad (-+5)=5 \quad (-+4)=6 \quad (-+0)=6 \quad (-+3)=5$$

$$(6-1)=\underline{\quad} \quad (4-2)=\underline{\quad} \quad (5-1)=\underline{\quad} \quad (6-4)=\underline{\quad} \quad (4-3)=\underline{\quad}$$

$$(5-3)=\underline{\quad} \quad (6-2)=\underline{\quad} \quad (6-0)=\underline{\quad} \quad (5-1)=\underline{\quad} \quad (3-1)=\underline{\quad}$$

$$(6-)=4 \quad (5-)=2 \quad (4-)=4 \quad (6-)=3 \quad (6-)=1$$

$$(5-)=4 \quad (3-)=1 \quad (4-)=2 \quad (6-)=5 \quad (5-)=3$$

$$(- -2)=1 \quad (- -1)=5 \quad (- -0)=6 \quad (- -3)=3 \quad (- -1)=4$$

$$(- -0)=4 \quad (- -2)=2 \quad (- -2)=4 \quad (- -3)=2 \quad (- -0)=5$$

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$$(6 - \square) = 3 \quad (\square + 2) = 4 \quad (3 + 2) = \square \quad (\square - 2) = 3 \quad (\square + 1) = 5$$

$$(\square + 4) = 5 \quad (6 - 1) = \square \quad (4 - \square) = 0 \quad (\square + 1) = 5 \quad (4 + 2) = \square$$

$$(3 + 2) = \square \quad (\square - 2) = 5 \quad (6 - 3) = \square \quad (\square - 3) = 1 \quad (5 - \square) = 1$$

$$(6 + \square) = 6 \quad (\square - 3) = 0 \quad (4 + 2) = \square \quad (6 - \square) = 2 \quad (4 - 1) = \square$$

$$(4 - \square) = 2 \quad (5 - 1) = \square \quad (3 + \square) = 4 \quad (6 - \square) = 1 \quad (5 - 2) = \square$$

$$(5 + 1) = \square \quad (6 + 0) = \square \quad (6 - \square) = 0 \quad (4 + \square) = 5 \quad (2 + \square) = 6$$

$$(6 - \square) = 2 \quad (\square + 2) = 3 \quad (2 + \square) = 6 \quad (5 - \square) = 5 \quad (3 + 0) = \square$$

$$(\square + 1) = 5 \quad (\square - 1) = 5 \quad (5 - \square) = 3 \quad (4 + \square) = 4 \quad (6 - \square) = 5$$

$$(\square - 2) = 6 \quad (3 + 2) = \square \quad (\square - 2) = 1 \quad (4 + \square) = 5 \quad (1 + \square) = 3$$

$$(3 + \square) = 5 \quad (4 + 1) = \square \quad (5 - \square) = 4 \quad (0 + 1) = \square \quad (4 - \square) = 1$$

$$(6 - \square) = 1 \quad (5 + \square) = 5 \quad (2 + \square) = 3 \quad (6 - \square) = 2 \quad (5 - \square) = 2$$

$$(5 + \square) = 6 \quad (6 - 4) = \square \quad (\square - 1) = 5 \quad (2 + 3) = \square \quad (0 + \square) = 6$$

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$$(12 - \underline{\quad}) = 6 \quad (\underline{\quad} + 4) = 12 \quad (11 + 1) = \underline{\quad} \quad (\underline{\quad} - 3) = 6 \quad (\underline{\quad} + 3) = 9$$

$$(\underline{\quad} + 5) = 10 \quad (10 - 3) = \underline{\quad} \quad (8 - \underline{\quad}) = 7 \quad (\underline{\quad} + 2) = 8 \quad (3 + 6) = \underline{\quad}$$

$$(5 + 6) = \underline{\quad} \quad (\underline{\quad} - 2) = 7 \quad (8 - 4) = \underline{\quad} \quad (\underline{\quad} - 8) = 0 \quad (6 - \underline{\quad}) = 3$$

$$(10 + \underline{\quad}) = 12 \quad (\underline{\quad} - 3) = 5 \quad (5 + 1) = \underline{\quad} \quad (8 - 3) = \underline{\quad} \quad (9 - 1) = \underline{\quad}$$

$$(6 - \underline{\quad}) = 1 \quad (8 - 2) = \underline{\quad} \quad (5 + \underline{\quad}) = 7 \quad (7 - 0) = \underline{\quad} \quad (8 - \underline{\quad}) = 4$$

$$(3 + 4) = \underline{\quad} \quad (8 + 1) = \underline{\quad} \quad (10 - \underline{\quad}) = 7 \quad (5 + \underline{\quad}) = 8 \quad (3 + \underline{\quad}) = 4$$

$$(10 - \underline{\quad}) = 8 \quad (\underline{\quad} + 5) = 11 \quad (3 + \underline{\quad}) = 12 \quad (11 - \underline{\quad}) = 2 \quad (5 + 0) = \underline{\quad}$$

$$(\underline{\quad} + 4) = 9 \quad (\underline{\quad} - 3) = 7 \quad (12 - \underline{\quad}) = 4 \quad (3 + 5) = \underline{\quad} \quad (7 - \underline{\quad}) = 3$$

$$(\underline{\quad} - 3) = 8 \quad (1 + 6) = \underline{\quad} \quad (\underline{\quad} - 5) = 5 \quad (6 + \underline{\quad}) = 12 \quad (2 + \underline{\quad}) = 4$$

$$(3 + \underline{\quad}) = 7 \quad (9 - 2) = \underline{\quad} \quad (10 - \underline{\quad}) = 3 \quad (0 + 5) = \underline{\quad} \quad (8 - \underline{\quad}) = 6$$

$$(12 - \underline{\quad}) = 3 \quad (5 + \underline{\quad}) = 7 \quad (2 + \underline{\quad}) = 8 \quad (11 - \underline{\quad}) = 3 \quad (10 - \underline{\quad}) = 7$$

$$(7 + \underline{\quad}) = 11 \quad (10 - 1) = \underline{\quad} \quad (\underline{\quad} - 8) = 2 \quad (5 + 7) = \underline{\quad} \quad (3 + \underline{\quad}) = 11$$

$$(6+4)=\underline{\hspace{1cm}} \quad (7+2)=\underline{\hspace{1cm}} \quad (8+0)=\underline{\hspace{1cm}} \quad (9+3)=\underline{\hspace{1cm}} \quad (8+2)=\underline{\hspace{1cm}}$$

$$(7+5)=\underline{\hspace{1cm}} \quad (4+8)=\underline{\hspace{1cm}} \quad (6+5)=\underline{\hspace{1cm}} \quad (8+3)=\underline{\hspace{1cm}} \quad (5+5)=\underline{\hspace{1cm}}$$

$$(4+\underline{\hspace{1cm}})=11 \quad (3+\underline{\hspace{1cm}})=10 \quad (2+\underline{\hspace{1cm}})=9 \quad (4+\underline{\hspace{1cm}})=8 \quad (1+\underline{\hspace{1cm}})=8$$

$$(3+\underline{\hspace{1cm}})=7 \quad (5+\underline{\hspace{1cm}})=10 \quad (4+\underline{\hspace{1cm}})=9 \quad (5+\underline{\hspace{1cm}})=9 \quad (6+\underline{\hspace{1cm}})=12$$

$$(\underline{\hspace{1cm}}+5)=11 \quad (\underline{\hspace{1cm}}+3)=8 \quad (\underline{\hspace{1cm}}+2)=9 \quad (\underline{\hspace{1cm}}+4)=10 \quad (\underline{\hspace{1cm}}+3)=11$$

$$(\underline{\hspace{1cm}}+5)=7 \quad (\underline{\hspace{1cm}}+9)=12 \quad (\underline{\hspace{1cm}}+8)=8 \quad (\underline{\hspace{1cm}}+5)=12 \quad (\underline{\hspace{1cm}}+9)=10$$

$$(12-5)=\underline{\hspace{1cm}} \quad (9-3)=\underline{\hspace{1cm}} \quad (10-5)=\underline{\hspace{1cm}} \quad (9-0)=\underline{\hspace{1cm}} \quad (7-6)=\underline{\hspace{1cm}}$$

$$(10-2)=\underline{\hspace{1cm}} \quad (11-4)=\underline{\hspace{1cm}} \quad (8-2)=\underline{\hspace{1cm}} \quad (8-5)=\underline{\hspace{1cm}} \quad (11-5)=\underline{\hspace{1cm}}$$

$$(12-\underline{\hspace{1cm}})=6 \quad (10-\underline{\hspace{1cm}})=4 \quad (12-\underline{\hspace{1cm}})=7 \quad (10-\underline{\hspace{1cm}})=5 \quad (9-\underline{\hspace{1cm}})=9$$

$$(11-\underline{\hspace{1cm}})=3 \quad (8-\underline{\hspace{1cm}})=5 \quad (9-\underline{\hspace{1cm}})=3 \quad (11-\underline{\hspace{1cm}})=7 \quad (8-\underline{\hspace{1cm}})=4$$

$$(\underline{\hspace{1cm}}-2)=7 \quad (\underline{\hspace{1cm}}-6)=1 \quad (\underline{\hspace{1cm}}-4)=3 \quad (\underline{\hspace{1cm}}-8)=4 \quad (\underline{\hspace{1cm}}-1)=6$$

$$(\underline{\hspace{1cm}}-5)=4 \quad (\underline{\hspace{1cm}}-7)=0 \quad (\underline{\hspace{1cm}}-0)=8 \quad (\underline{\hspace{1cm}}-3)=7 \quad (\underline{\hspace{1cm}}-9)=2$$

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$$12 = (6 + _) \quad 10 = (3 + _) \quad 8 = (1 + _) \quad 10 = (1 + _) \quad 7 = (1 + _)$$

$$11 = (5 + _) \quad 9 = (2 + _) \quad 7 = (0 + _) \quad 8 = (3 + _) \quad 9 = (4 + _)$$

$$12 - (_ = 6) \quad (_ - 3) = 7 \quad (10 - _) = 8 \quad (12 - _) = 4 \quad (6 + 3) = _$$

$$(_ + 5) = 11 \quad (8 - 3) = _ \quad (6 + 3) = _ \quad (_ - 5) = 7 \quad (11 - _) = 2$$

$$(10 + _) = 10 \quad (9 + 2) = _ \quad (5 + _) = 9 \quad (10 - _) = 1 \quad (0 + _) = 9$$

$$(5 + 7) = _ \quad (_ + 6) = 10 \quad (12 - _) = 6 \quad 9 = (_ + 2) \quad 12 = (3 + _)$$

$$(12 - _) = 6 \quad (_ - 4) = 8 \quad 8 = (5 + _) \quad (7 + 4) = _ \quad 7 = (2 + _)$$

$$12 = (3 + _) \quad 11 = (_ + 8) \quad 10 = (_ + 4) \quad 8 = (2 + _) \quad (8 + _) = 10$$

$$(_ + 5) = 11 \quad 10 = (5 + _) \quad (6 + 5) = _ \quad _ = (3 + 8) \quad _ = (2 + 9)$$

$$(_ - 2) = 8 \quad 8 = (4 + _) \quad (12 - 7) = _ \quad _ = (6 + 4) \quad _ = (12 - 6)$$

$$(9 - 2) = _ \quad _ = (11 - 3) \quad (6 + _) = 11 \quad (7 + _) = 12 \quad (12 - _) = 10$$

$$(12 - _) = 4 \quad (8 + 4) = _ \quad _ = (3 + 9) \quad (6 + 3) = _ \quad (5 + _) = 11$$

Writing = or sign to identify true or not true addition or subtraction statements.
Creating true number sentences by correcting incorrect sentences changing only one number.

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$$2 + 3 = 5 \quad 4 + 6 = 10 \quad 7 - 4 = 5 \quad 8 - 6 = 2 \quad 9 - 3 = 7$$

$$6 - 4 = 4 \quad 3 + 6 = 11 \quad 9 - 3 = 7 \quad 5 + 2 = 7 \quad 10 - 4 = 7$$

$$10 - 2 = 8 \quad 8 + 2 = 10 \quad 6 + 1 = 6 \quad 8 - 2 = 6 \quad 9 - 7 = 4$$

$$3 + 6 = 9 \quad 7 - 3 = 5 \quad 7 + 2 = 10 \quad 4 + 3 = 8 \quad 5 - 3 = 3$$

$$2 - 1 = 1 \quad 9 - 7 = 3 \quad 4 + 5 = 9 \quad 6 - 1 = 5 \quad 8 + 1 = 9$$

$$7 - 6 = 2 \quad 6 - 4 = 3 \quad 4 - 2 = 2 \quad 7 - 2 = 5 \quad 9 + 1 = 10$$

$$8 + 3 = 10 \quad 5 + 2 = 6 \quad 6 + 3 = 8 \quad 3 - 1 = 4 \quad 6 - 4 = 3$$

$$4 - 2 = 3 \quad 7 - 5 = 3 \quad 6 - 4 = 5 \quad 8 - 3 = 6 \quad 9 - 7 = 3$$

$$10-7=2 \quad 17-11=7 \quad 12+8=20 \quad 19-6=13 \quad 16+3=18$$

$$17+2=20 \quad 10+10=20 \quad 11-5=6 \quad 14+5=19 \quad 8+12=20$$

$$7+12=18 \quad 9+8=16 \quad 6+12=18 \quad 17-9=8 \quad 13+6=18$$

$$15-6=8 \quad 3+14=17 \quad 13-7=7 \quad 2+14=16 \quad 15-6=8$$

$$6+10=17 \quad 20-11=10 \quad 19-7=11 \quad 3+18=20 \quad 6-4=3$$

$$11-6=6 \quad 6+13=18 \quad 18-5=12 \quad 17-2=19 \quad 15-8=8$$

$$20-8=11 \quad 7+13=19 \quad 19-7=12 \quad 18-7=12 \quad 16-7=8$$

$$4+16=18 \quad 3+17=19 \quad 18-7=10 \quad 20-6=13 \quad 13+6=18$$

$$12 + 7 = 18 \quad 16 - 8 = 9 \quad 14 - 3 = 12 \quad 6 + 17 = 20 \quad 17 - 6 = 12$$

$$13 - 8 = 6 \quad 17 + 1 = 18 \quad 16 + 2 = 18 \quad 16 - 7 = 8 \quad 18 - 9 = 10$$

$$14 - 6 = 9 \quad 15 - 6 = 8 \quad 12 + 7 = 19 \quad 15 - 3 = 12 \quad 16 - 2 = 13$$

$$18 - 3 = 16 \quad 20 + 0 = 20 \quad 4 + 13 = 16 \quad 18 - 7 = 11 \quad 15 - 7 = 8$$

$$6 + 12 = 17 \quad 13 - 2 = 11 \quad 8 + 6 = 14 \quad 15 - 6 = 8 \quad 9 + 10 = 18$$

$$11 + 4 = 16 \quad 13 - 2 = 10 \quad 7 + 14 = 20 \quad 14 - 6 = 8 \quad 17 + 2 = 20$$

$$17 - 6 = 12 \quad 14 - 7 = 8 \quad 6 + 13 = 19 \quad 16 - 9 = 7 \quad 18 - 6 = 13$$

$$4 + 10 = 14 \quad 17 - 6 = 12 \quad 14 - 2 = 12 \quad 6 + 12 = 17 \quad 9 + 10 = 19$$

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$$31 + 4 = 36 \quad 24 - 12 = 12 \quad 16 - 8 = 9 \quad 42 + 8 = 47 \quad 50 - 10 = 40$$

$$43 - 30 = 13 \quad 18 + 28 = 46 \quad 20 - 8 = 9 \quad 43 - 12 = 29 \quad 33 + 17 = 50$$

$$50 - 20 = 30 \quad 22 + 12 = 33 \quad 14 - 6 = 9 \quad 35 - 22 = 14 \quad 50 - 14 = 27$$

$$31 - 16 = 12 \quad 43 - 11 = 22 \quad 16 + 13 = 28 \quad 31 - 26 = 5 \quad 17 + 22 = 39$$

$$45 - 6 = 38 \quad 37 + 8 = 47 \quad 47 - 17 = 30 \quad 23 + 7 = 30 \quad 16 + 22 = 47$$

$$39 - 17 = 24 \quad 17 + 19 = 36 \quad 19 + 6 = 25 \quad 50 - 23 = 25 \quad 17 + 33 = 50$$

$$50 - 14 = 36 \quad 29 - 17 = 12 \quad 47 - 29 = 19 \quad 47 - 33 = 14 \quad 20 - 6 = 14$$

$$7 + 40 = 47 \quad 16 + 32 = 47 \quad 6 + 17 = 24 \quad 33 - 17 = 14 \quad 17 + 31 = 49$$

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$$42-31=8 \quad 25+7=34 \quad 4+41=45 \quad 33-8=25 \quad 7+21=28$$

$$37-5=31 \quad 17-6=11 \quad 9+37=45 \quad 16+23=49 \quad 16-8=8$$

$$37-24=12 \quad 40-17=24 \quad 16-7=9 \quad 31-22=8 \quad 4+37=42$$

$$14-7=7 \quad 36+12=47 \quad 27-8=18 \quad 16+30=45 \quad 19-17=2$$

$$44-22=22 \quad 16+27=41 \quad 17+21=46 \quad 37-10=27 \quad 39-12=27$$

$$50-32=20 \quad 17-8=9 \quad 40-36=4 \quad 38-12=24 \quad 47-21=26$$

$$36-30=6 \quad 18-3=15 \quad 43-37=9 \quad 27+16=42 \quad 13+27=39$$

$$9+37=47 \quad 26-16=10 \quad 17-5=2 \quad 19+9=28 \quad 37-9=28$$

Completing addition and subtraction sentences with missing sums (differences)
or addends associated with familiar number families. Sums to 12.

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| | | | | | | | | | |
|---|--|---|---|---|---|---|--|---|--|
| $\begin{array}{r} 0 \\ +1 \end{array}$ | $\begin{array}{r} 6 \\ +5 \end{array}$ | $\begin{array}{r} 1 \\ +6 \end{array}$ | $\begin{array}{r} 0 \\ +7 \end{array}$ | $\begin{array}{r} 6 \\ +11 \end{array}$ | $\begin{array}{r} 5 \\ +6 \end{array}$ | $\begin{array}{r} 0 \\ +3 \end{array}$ | $\begin{array}{r} 0 \\ +7 \end{array}$ | $\begin{array}{r} 3 \\ +7 \end{array}$ | $\begin{array}{r} 5 \\ +3 \end{array}$ |
| $\begin{array}{r} 2 \\ +8 \end{array}$ | $\begin{array}{r} 5 \\ +0 \end{array}$ | $\begin{array}{r} 10 \\ +2 \end{array}$ | $\begin{array}{r} 4 \\ +1 \end{array}$ | $\begin{array}{r} 3 \\ +8 \end{array}$ | $\begin{array}{r} 8 \\ +4 \end{array}$ | $\begin{array}{r} 0 \\ +12 \end{array}$ | $\begin{array}{r} 3 \\ +5 \end{array}$ | $\begin{array}{r} 10 \\ +1 \end{array}$ | $\begin{array}{r} 1 \\ +3 \end{array}$ |
| $\begin{array}{r} 1 \\ +8 \end{array}$ | $\begin{array}{r} 9 \\ +3 \end{array}$ | $\begin{array}{r} 2 \\ +0 \end{array}$ | $\begin{array}{r} 7 \\ +2 \end{array}$ | $\begin{array}{r} 4 \\ +0 \end{array}$ | $\begin{array}{r} 5 \\ +7 \end{array}$ | $\begin{array}{r} 2 \\ +7 \end{array}$ | $\begin{array}{r} 0 \\ +5 \end{array}$ | $\begin{array}{r} 11 \\ +1 \end{array}$ | $\begin{array}{r} 6 \\ +0 \end{array}$ |
| $\begin{array}{r} 3 \\ +2 \end{array}$ | $\begin{array}{r} 5 \\ +2 \end{array}$ | $\begin{array}{r} 0 \\ +6 \end{array}$ | $\begin{array}{r} 4 \\ +8 \end{array}$ | $\begin{array}{r} 5 \\ +4 \end{array}$ | $\begin{array}{r} 8 \\ +4 \end{array}$ | $\begin{array}{r} 10 \\ +0 \end{array}$ | $\begin{array}{r} 2 \\ +4 \end{array}$ | $\begin{array}{r} 0 \\ +10 \end{array}$ | $\begin{array}{r} 6 \\ +6 \end{array}$ |
| $\begin{array}{r} 1 \\ +2 \end{array}$ | $\begin{array}{r} 3 \\ +4 \end{array}$ | $\begin{array}{r} 6 \\ +3 \end{array}$ | $\begin{array}{r} 4 \\ +3 \end{array}$ | $\begin{array}{r} 9 \\ +1 \end{array}$ | $\begin{array}{r} 12 \\ +0 \end{array}$ | $\begin{array}{r} 2 \\ +9 \end{array}$ | $\begin{array}{r} 9 \\ +0 \end{array}$ | $\begin{array}{r} 3 \\ +6 \end{array}$ | $\begin{array}{r} 1 \\ +4 \end{array}$ |
| $\begin{array}{r} 0 \\ +11 \end{array}$ | $\begin{array}{r} 7 \\ +3 \end{array}$ | $\begin{array}{r} 7 \\ +4 \end{array}$ | $\begin{array}{r} 11 \\ +0 \end{array}$ | $\begin{array}{r} 7 \\ +5 \end{array}$ | $\begin{array}{r} 1 \\ +10 \end{array}$ | $\begin{array}{r} 4 \\ +5 \end{array}$ | $\begin{array}{r} 8 \\ +0 \end{array}$ | $\begin{array}{r} 1 \\ +0 \end{array}$ | $\begin{array}{r} 5 \\ +1 \end{array}$ |
| $\begin{array}{r} 3 \\ +9 \end{array}$ | $\begin{array}{r} 0 \\ +0 \end{array}$ | $\begin{array}{r} 7 \\ +1 \end{array}$ | $\begin{array}{r} 3 \\ +3 \end{array}$ | $\begin{array}{r} 1 \\ +10 \end{array}$ | $\begin{array}{r} 6 \\ +4 \end{array}$ | $\begin{array}{r} 0 \\ +8 \end{array}$ | $\begin{array}{r} 0 \\ +4 \end{array}$ | $\begin{array}{r} 6 \\ +6 \end{array}$ | $\begin{array}{r} 8 \\ +3 \end{array}$ |
| $\begin{array}{r} 3 \\ +1 \end{array}$ | $\begin{array}{r} 2 \\ +6 \end{array}$ | $\begin{array}{r} 2 \\ +10 \end{array}$ | $\begin{array}{r} 3 \\ +2 \end{array}$ | $\begin{array}{r} 0 \\ +9 \end{array}$ | $\begin{array}{r} 8 \\ +1 \end{array}$ | $\begin{array}{r} 9 \\ +2 \end{array}$ | $\begin{array}{r} 3 \\ +0 \end{array}$ | $\begin{array}{r} 0 \\ +2 \end{array}$ | $\begin{array}{r} 4 \\ +4 \end{array}$ |
| $\begin{array}{r} 1 \\ +11 \end{array}$ | $\begin{array}{r} 5 \\ +5 \end{array}$ | $\begin{array}{r} 3 \\ +0 \end{array}$ | $\begin{array}{r} 4 \\ +1 \end{array}$ | $\begin{array}{r} 7 \\ +0 \end{array}$ | $\begin{array}{r} 1 \\ +5 \end{array}$ | $\begin{array}{r} 1 \\ +7 \end{array}$ | $\begin{array}{r} 4 \\ +6 \end{array}$ | $\begin{array}{r} 2 \\ +1 \end{array}$ | $\begin{array}{r} 1 \\ +9 \end{array}$ |

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|------------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|------------------|-----------------|
| $\frac{2}{10}$ | $\frac{+0}{5}$ | $\frac{10}{12}$ | $\frac{8}{12}$ | $\frac{+}{2}$ | $\frac{1}{+12}$ | $\frac{3}{8}$ | $\frac{10}{+11}$ | $\frac{+3}{4}$ |
| $\frac{3}{5}$ | $\frac{+5}{7}$ | $\frac{+6}{6}$ | $\frac{+8}{12}$ | $\frac{+4}{12}$ | $\frac{10}{+10}$ | $\frac{+4}{6}$ | $\frac{0}{+10}$ | $\frac{+}{12}$ |
| $\frac{0}{11}$ | $\frac{+3}{10}$ | $\frac{7}{11}$ | $\frac{+0}{11}$ | $\frac{7}{12}$ | $\frac{4}{+9}$ | $\frac{8}{+8}$ | $\frac{+0}{1}$ | $\frac{+}{6}$ |
| $\frac{+1}{4}$ | $\frac{2}{+8}$ | $\frac{+10}{12}$ | $\frac{2}{+4}$ | $\frac{+9}{9}$ | $\frac{8}{+9}$ | $\frac{3}{+3}$ | $\frac{+2}{2}$ | $\frac{+}{8}$ |
| $\frac{+11}{12}$ | $\frac{5}{+10}$ | $\frac{+0}{3}$ | $\frac{4}{+5}$ | $\frac{+0}{7}$ | $\frac{1}{+6}$ | $\frac{4}{+10}$ | $\frac{+1}{3}$ | $\frac{+}{10}$ |
| $\frac{3}{12}$ | $\frac{+0}{0}$ | $\frac{7}{+8}$ | $\frac{+5}{7}$ | $\frac{+1}{11}$ | $\frac{+4}{10}$ | $\frac{+4}{4}$ | $\frac{6}{+12}$ | $\frac{+3}{11}$ |
| $\frac{1}{3}$ | $\frac{+4}{7}$ | $\frac{6}{+9}$ | $\frac{+3}{7}$ | $\frac{9}{+10}$ | $\frac{2}{+11}$ | $\frac{+0}{9}$ | $\frac{3}{+9}$ | $\frac{+4}{5}$ |
| $\frac{1}{9}$ | $\frac{+3}{12}$ | $\frac{2}{+2}$ | $\frac{+2}{9}$ | $\frac{4}{+4}$ | $\frac{2}{+7}$ | $\frac{+5}{5}$ | $\frac{11}{+12}$ | $\frac{+4}{6}$ |
| $\frac{0}{1}$ | $\frac{+6}{11}$ | $\frac{+1}{7}$ | $\frac{0}{+7}$ | $\frac{5}{+11}$ | $\frac{+3}{3}$ | $\frac{4}{+11}$ | $\frac{+7}{10}$ | $\frac{5}{+8}$ |

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|------------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------|-----------------|-----------------|
| $\frac{+3}{8}$ | $\frac{+3}{10}$ | $\frac{+7}{11}$ | $\frac{+0}{3}$ | $\frac{+6}{11}$ | $\frac{+7}{7}$ | $\frac{+6}{7}$ | $\frac{+5}{11}$ | $\frac{+1}{1}$ |
| $\frac{+1}{4}$ | $\frac{+1}{11}$ | $\frac{+5}{8}$ | $\frac{+0}{12}$ | $\frac{+4}{12}$ | $\frac{+3}{11}$ | $\frac{+2}{12}$ | $\frac{+5}{5}$ | $\frac{+8}{10}$ |
| $\frac{+6}{6}$ | $\frac{+1}{12}$ | $\frac{+0}{5}$ | $\frac{+7}{9}$ | $\frac{+5}{12}$ | $\frac{+0}{4}$ | $\frac{+7}{9}$ | $\frac{+9}{12}$ | $\frac{+8}{9}$ |
| $\frac{+2}{5}$ | $\frac{+2}{7}$ | $\frac{+0}{6}$ | $\frac{+4}{12}$ | $\frac{+5}{9}$ | $\frac{+8}{12}$ | $\frac{+0}{6}$ | $\frac{+2}{10}$ | $\frac{+6}{12}$ |
| $\frac{+1}{5}$ | $\frac{+6}{9}$ | $\frac{+9}{9}$ | $\frac{+9}{11}$ | $\frac{+12}{12}$ | $\frac{+1}{10}$ | $\frac{+3}{9}$ | $\frac{+3}{7}$ | $\frac{+2}{3}$ |
| $\frac{+8}{11}$ | $\frac{+6}{12}$ | $\frac{+0}{4}$ | $\frac{+8}{8}$ | $\frac{+6}{10}$ | $\frac{+10}{11}$ | $\frac{+1}{8}$ | $\frac{+0}{0}$ | $\frac{+9}{12}$ |
| $\frac{+9}{10}$ | $\frac{+2}{3}$ | $\frac{+6}{10}$ | $\frac{+1}{8}$ | $\frac{+5}{6}$ | $\frac{+7}{7}$ | $\frac{+1}{5}$ | $\frac{+5}{10}$ | $\frac{+1}{12}$ |
| $\frac{+3}{4}$ | $\frac{+6}{8}$ | $\frac{+2}{12}$ | $\frac{+2}{4}$ | $\frac{+0}{9}$ | $\frac{+1}{4}$ | $\frac{+0}{3}$ | $\frac{+2}{2}$ | $\frac{+4}{8}$ |
| $\frac{+11}{11}$ | $\frac{+7}{10}$ | $\frac{+4}{11}$ | $\frac{+5}{12}$ | $\frac{+11}{11}$ | $\frac{+10}{11}$ | $\frac{+5}{9}$ | $\frac{+0}{8}$ | $\frac{+9}{10}$ |

COUNT

TIME

CLASS

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| | | | | | | | | | |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| $0+1=$ | $2+8=$ | $1+8=$ | $3+2=$ | $1+2=$ | $0+11=$ | $3+9=$ | $3+1=$ | $1+11=$ | |
| $6+5$ | $5+0=$ | $9+3=$ | $5+2=$ | $3+4=$ | $7+3=$ | $0+0=$ | $2+6=$ | $5+5=$ | |
| $1+6=$ | $10+2=$ | $2+0=$ | $0+6=$ | $6+3=$ | $7+4=$ | $7+1=$ | $2+10=$ | $3+0=$ | |
| $0+7=$ | $1+1=$ | $7+2=$ | $4+8=$ | $4+3=$ | $11+0=$ | $2+5=$ | $2+2=$ | $4+1=$ | |
| $6+1=$ | $3+8=$ | $4+0=$ | $5+4=$ | $9+1=$ | $7+5$ | $1+10=$ | $0+9=$ | $7+0=$ | |
| $5+6=$ | $8+4=$ | $5+7=$ | $8+4=$ | $12+0=$ | $1+10=$ | $6+4=$ | $8+1=$ | $1+5=$ | |
| $0+3=$ | $0+12=$ | $2+7=$ | $10+0=$ | $2+9=$ | $4+5=$ | $0+8=$ | $9+2=$ | $1+7=$ | |
| $4+7=$ | $3+5=$ | $0+5=$ | $2+4=$ | $9+0=$ | $8+0=$ | $0+4=$ | $3+0=$ | $4+6$ | |
| $3+7=$ | $10+1=$ | $11+1=$ | $0+10=$ | $3+6=$ | $1+0=$ | $6+6=$ | $0+2=$ | $2+1=$ | |
| $5+3=$ | $1+3=$ | $6+0=$ | $6+6=$ | $1+4=$ | $5+1=$ | $8+3=$ | $4+4=$ | $1+9=$ | |

COUNT

TIME

CLASS

DATE

NAME

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| | | | | | | | | | |
|-----------|-----------|----------|-----------|-----------|----------|----------|-----------|----------|--|
| $-+3=4$ | $6+_=12$ | $5+_=6$ | $4+_=8$ | $1+_=10$ | $-+3=11$ | $-+4=5$ | $-+0=6$ | $5+_=8$ | |
| $10+_=11$ | $0+_=10$ | $-+0=1$ | $-+2=2$ | $-+1=3$ | $6+_=12$ | $3+_=9$ | $11+_=12$ | $-+7=10$ | |
| $3+_=8$ | $-+4=6$ | $8+_=8$ | $3+_=3$ | $4+_=10$ | $-+4=4$ | $-+0=9$ | $-+5=5$ | $4+_=11$ | |
| $-+12=12$ | $10+_=10$ | $4+_=9$ | $-+2=11$ | $-+7=8$ | $0+_=8$ | $2+_=11$ | $2+_=9$ | $-+3=3$ | |
| $8+_=12$ | $-+4=12$ | $1+_=11$ | $8+_=9$ | $1+_=6$ | $-+4=10$ | $-+0=12$ | $-+7=12$ | $5+_=11$ | |
| $-+8=11$ | $-+4=9$ | $7+_=12$ | $-+9=9$ | $-+0=7$ | $1+_=11$ | $9+_=10$ | $4+_=4$ | $-+1=7$ | |
| $1+_=2$ | $-+8=12$ | $-+0=11$ | $2+_=4$ | $4+_=5$ | $-+5=7$ | $-+3=7$ | $-+2=9$ | $0+_=7$ | |
| $10+_=12$ | $-+6=6$ | $7+_=11$ | $-+10=12$ | $-+10=10$ | $7+_=8$ | $6+_=9$ | $2+_=2$ | $1+_=7$ | |
| $-+0=5$ | $5+_=7$ | $-+3=10$ | $2+_=8$ | $5+_=10$ | $0+_=0$ | $-+4=7$ | $-+3=12$ | $6+_=11$ | |
| $2+_=10$ | $3+_=5$ | $0+_=11$ | $-+1=4$ | $-+11=12$ | $3+_=12$ | $1+_=3$ | $1+_=9$ | $0+_=1$ | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|---------------|---------------|---------------|----------------|----------------|----------------|---------------|---------------|----------------|--|
| $_ + 1 = 1$ | $_ + 8 = 10$ | $_ + 8 = 9$ | $_ + 6 = 12$ | $_ + 2 = 3$ | $_ + 5 = 12$ | $_ + 2 = 12$ | $_ + 4 = 8$ | $_ + 9 = 10$ | |
| $_ + 5 = 11$ | $5 + _ = 5$ | $9 + _ = 12$ | $_ + 10 = 10$ | $3 + _ = 7$ | $_ + 0 = 0$ | $_ + 5 = 10$ | $2 + _ = 2$ | $1 + _ = 1$ | |
| $_ + 6 = 7$ | $_ + 2 = 12$ | $_ + 0 = 2$ | $2 + 0 = _$ | $_ + 3 = 9$ | $_ + 1 = 8$ | $3 + _ = 3$ | $_ + 0 = 3$ | $0 + _ = 8$ | |
| $_ + 7 = 7$ | $_ + 1 = 2$ | $7 + _ = 9$ | $_ + 0 = 10$ | $4 + _ = 7$ | $2 + _ = 7$ | $_ + 1 = 5$ | $9 + _ = 11$ | $_ + 5 = 9$ | |
| $6 + _ = 7$ | $3 + _ = 11$ | $_ + 0 = 4$ | $8 + _ = 12$ | $_ + 1 = 10$ | $_ + 10 = 11$ | $7 + _ = 7$ | $_ + 1 = 9$ | $_ + 10 = 11$ | |
| $_ + 6 = 11$ | $_ + 4 = 12$ | $5 + _ = 12$ | $5 + _ = 9$ | $12 + _ = 12$ | $6 + _ = 10$ | $_ + 5 = 6$ | $0 + _ = 9$ | $_ + 5 = 12$ | |
| $0 + _ = 3$ | $0 + _ = 12$ | $_ + 7 = 9$ | $4 + _ = 12$ | $_ + 9 = 11$ | $_ + 8 = 8$ | $1 + _ = 8$ | $_ + 2 = 4$ | $11 + _ = 11$ | |
| $_ + 7 = 11$ | $_ + 5 = 8$ | $0 + _ = 5$ | $0 + _ = 6$ | $9 + _ = 9$ | $0 + _ = 4$ | $_ + 6 = 10$ | $2 + _ = 12$ | $_ + 4 = 11$ | |
| $3 + _ = 10$ | $_ + 1 = 11$ | $_ + 1 = 12$ | $_ + 2 = 7$ | $_ + 6 = 9$ | $_ + 6 = 12$ | $2 + _ = 2$ | $_ + 6 = 8$ | $7 + _ = 10$ | |
| $_ + 3 = 8$ | $1 + _ = 4$ | $6 + _ = 6$ | $_ + 2 = 5$ | $1 + _ = 5$ | $8 + _ = 11$ | $_ + 9 = 10$ | $3 + _ = 4$ | $_ + 11 = 11$ | |

COUNT

TIME

CLASS

DATE

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| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| $\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$ |
| $\begin{array}{r} 1 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ -0 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ -0 \\ \hline \end{array}$ |
| $\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ -9 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$ |
| $\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ -0 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$ |
| | | | | | | | | | |
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| | | | | | | | | | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| $-\frac{3}{5}$ | $-\frac{2}{2}$ | $-\frac{7}{2}$ | $-\frac{4}{4}$ | $-\frac{7}{2}$ | $-\frac{0}{5}$ | $-\frac{6}{0}$ | $-\frac{0}{1}$ | $-\frac{6}{1}$ | $-\frac{7}{0}$ |
| $-\frac{0}{3}$ | $-\frac{1}{4}$ | $-\frac{7}{0}$ | $-\frac{5}{1}$ | $-\frac{1}{7}$ | $-\frac{2}{1}$ | $-\frac{0}{0}$ | $-\frac{1}{7}$ | $-\frac{2}{5}$ | $-\frac{8}{0}$ |
| $-\frac{8}{1}$ | $-\frac{0}{1}$ | $-\frac{1}{5}$ | $-\frac{3}{1}$ | $-\frac{6}{2}$ | $-\frac{2}{2}$ | $-\frac{0}{9}$ | $-\frac{1}{8}$ | $-\frac{0}{3}$ | $-\frac{0}{2}$ |
| $-\frac{0}{3}$ | $-\frac{0}{5}$ | $-\frac{1}{1}$ | $-\frac{5}{3}$ | $-\frac{1}{3}$ | $-\frac{2}{3}$ | $-\frac{4}{3}$ | $-\frac{0}{6}$ | $-\frac{5}{4}$ | $-\frac{2}{4}$ |
| $-\frac{0}{8}$ | $-\frac{6}{1}$ | $-\frac{0}{4}$ | $-\frac{4}{4}$ | $-\frac{5}{4}$ | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

COUNT

CLASS

TIME

DATE

NAME

| | | | | | | | | |
|-----------------|-----------------|------------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|
| $\frac{10}{-2}$ | $\frac{11}{-0}$ | $\frac{12}{-11}$ | $\frac{12}{-3}$ | $\frac{10}{-5}$ | $\frac{12}{-3}$ | $\frac{11}{-6}$ | $\frac{12}{-10}$ | $\frac{11}{-7}$ |
| $\frac{12}{-8}$ | $\frac{11}{-0}$ | $\frac{11}{-8}$ | $\frac{12}{-7}$ | $\frac{10}{-9}$ | $\frac{11}{-1}$ | $\frac{11}{-1}$ | $\frac{10}{-4}$ | $\frac{12}{-8}$ |
| $\frac{12}{-7}$ | $\frac{11}{-5}$ | $\frac{12}{-12}$ | $\frac{10}{-10}$ | $\frac{11}{-4}$ | $\frac{11}{-2}$ | $\frac{11}{-2}$ | $\frac{10}{-0}$ | $\frac{12}{-11}$ |
| $\frac{12}{-6}$ | $\frac{10}{-1}$ | $\frac{11}{-3}$ | $\frac{12}{-10}$ | $\frac{10}{-7}$ | $\frac{12}{-0}$ | | | |
| 145 | | | | | | | | |
| $\frac{-6}{6}$ | $\frac{-5}{7}$ | $\frac{-4}{8}$ | $\frac{-8}{2}$ | $\frac{-6}{5}$ | $\frac{-9}{1}$ | $\frac{-1}{11}$ | $\frac{-11}{0}$ | $\frac{-3}{8}$ |
| $\frac{-8}{3}$ | $\frac{-0}{10}$ | $\frac{-5}{3}$ | $\frac{-9}{3}$ | $\frac{-10}{1}$ | $\frac{-7}{3}$ | $\frac{-7}{4}$ | $\frac{-1}{9}$ | $\frac{-5}{5}$ |
| $\frac{-4}{8}$ | $\frac{-1}{10}$ | $\frac{-9}{2}$ | $\frac{-8}{4}$ | $\frac{-2}{1}$ | $\frac{-5}{6}$ | $\frac{-10}{0}$ | $\frac{-1}{11}$ | $\frac{-6}{4}$ |
| $\frac{-2}{10}$ | $\frac{-12}{0}$ | $\frac{-3}{7}$ | $\frac{-0}{12}$ | $\frac{-4}{7}$ | $\frac{-9}{3}$ | | | |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 7-0= | 7-2= | 0-0= | 6-3= | 5-4= | 7-2= | 8-2= | 1-0= | 6-5= | 5-0= |
| 8-4= | 4-1= | 7-1= | 9-0= | 5-1= | 7-1= | 8-1= | 5-2= | 7-3= | 4-2= |
| 8-1= | 6-1= | 7-0= | 1-1= | 7-2= | 6-6= | 7-4= | 6-4= | 9-2= | 6-4= |
| 3-0= | 8-0= | 5-4= | 2-1= | 5-0= | 8-3= | 6-1= | 6-5= | 8-4= | 6-0= |
| 7-5= | 4-0= | 4-4= | 9-1= | 2-0= | 6-6= | 8-0= | 6-3= | 3-2= | 9-3= |
| 7-4= | 5-3= | 5-2= | 5-1= | 8-3= | 5-5= | 9-1= | 3-0= | 3-1= | 1-0= |
| 6-0= | 2-0= | 7-3= | 5-3= | 3-1= | 8-4= | 9-0= | 9-3= | 6-2= | 4-1= |
| 12-0= | 10-1= | 11-1= | 10-1= | 10-0= | 11-0= | 12-0= | 10-2= | 11-1= | 4-3= |

DATE CLASS TIME COUNT

| | | | | | | | | | |
|----------|--------|----------|---------|---------|---------|----------|----------|---------|---------|
| 11-__=11 | 4-__=3 | 10-__=9 | 11-__=8 | 5-__=1 | 5-__=2 | 6-__=6 | 4-__=1 | 8-__=3 | 10-__=3 |
| 12-__=1 | 7-__=2 | 9-__=6 | 12-__=6 | 3-__=2 | 8-__=6 | 10-__=7 | 11-__=4 | 12-__=2 | 10-__=6 |
| 9-__=9 | 6-__=0 | 5-__=0 | 8-__=5 | 11-__=7 | 3-__=0 | 12-__=0 | 9-__=7 | 12-__=4 | 11-__=9 |
| 8-__=1 | 4-__=2 | 11-__=11 | 12-__=5 | 9-__=0 | 6-__=5 | 10-__=6 | 12-__=12 | 9-__=5 | 12-__=5 |
| 11-__=6 | 7-__=6 | 11-__=3 | 4-__=0 | 12-__=8 | 10-__=2 | 11-__=10 | 7-__=7 | 9-__=1 | 11-__=1 |
| __-1=10 | __-0=5 | __-0=3 | __-2=8 | __-2=0 | __-1=2 | __-2=0 | __-0=9 | __-1=7 | __-2=7 |
| __-10=2 | __-0=6 | __-7=4 | __-7=1 | __-6=3 | __-2=0 | __-1=6 | __-6=5 | __-6=1 | __-4=7 |
| __-8=1 | __-1=2 | __-3=9 | __-1=11 | __-1=3 | __-11=0 | __-3=2 | __-8=2 | __-5=0 | __-3=7 |
| __-10=10 | __-3=8 | __-6=4 | __-8=0 | __-0=3 | __-4=6 | __-4=4 | __-2=9 | __-2=8 | __-4=2 |

Doing column addition with two addends for any two or three digit numbers, no carrying. Checking addition problems by adding in reverse direction.

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| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 14 +62 | 11 +12 | 30 +27 | 33 +14 | 86 +11 | 48 +10 | 73 +23 | 54 +25 | 34 +62 | 23 +40 |
| 67 +22 | 62 +14 | 44 +44 | 48 +31 | 31 +41 | 53 +24 | 71 +18 | 27 +30 | 40 +23 | 81 +17 |
| 65 +23 | 11 +86 | 36 +20 | 11 +78 | 24 +53 | 41 +31 | 28 +41 | 65 +23 | 63 +15 | 76 +22 |
| 22 +76 | 46 +13 | 47 +22 | 52 +32 | 62 +14 | 28 +20 | 19 +13 | 73 +25 | 47 +21 | 35 +23 |
| 28 +11 | 24 +33 | 13 +24 | 64 +21 | 78 +11 | 25 +40 | 66 +21 | 64 +15 | 21 +15 | 10 +11 |

| NAME | DATE | CLASS | TIME | COUNT | | | |
|--|--|--|--|--|--|--|--|
| $\begin{array}{r} 310 \\ + 11 \\ \hline \end{array}$ | $\begin{array}{r} 421 \\ + 31 \\ \hline \end{array}$ | $\begin{array}{r} 564 \\ + 15 \\ \hline \end{array}$ | $\begin{array}{r} 666 \\ + 21 \\ \hline \end{array}$ | $\begin{array}{r} 725 \\ + 40 \\ \hline \end{array}$ | $\begin{array}{r} 324 \\ + 33 \\ \hline \end{array}$ | $\begin{array}{r} 328 \\ + 41 \\ \hline \end{array}$ | $\begin{array}{r} 762 \\ + 14 \\ \hline \end{array}$ |
| $\begin{array}{r} 646 \\ + 13 \\ \hline \end{array}$ | $\begin{array}{r} 381 \\ + 17 \\ \hline \end{array}$ | $\begin{array}{r} 347 \\ + 21 \\ \hline \end{array}$ | $\begin{array}{r} 263 \\ + 15 \\ \hline \end{array}$ | $\begin{array}{r} 724 \\ + 53 \\ \hline \end{array}$ | $\begin{array}{r} 673 \\ + 25 \\ \hline \end{array}$ | $\begin{array}{r} 341 \\ + 31 \\ \hline \end{array}$ | $\begin{array}{r} 347 \\ + 22 \\ \hline \end{array}$ |
| $\begin{array}{r} 465 \\ + 23 \\ \hline \end{array}$ | $\begin{array}{r} 428 \\ + 11 \\ \hline \end{array}$ | $\begin{array}{r} 436 \\ + 20 \\ \hline \end{array}$ | $\begin{array}{r} 428 \\ + 20 \\ \hline \end{array}$ | $\begin{array}{r} 440 \\ + 23 \\ \hline \end{array}$ | $\begin{array}{r} 878 \\ + 11 \\ \hline \end{array}$ | $\begin{array}{r} 465 \\ + 23 \\ \hline \end{array}$ | $\begin{array}{r} 619 \\ + 10 \\ \hline \end{array}$ |
| $\begin{array}{r} 653 \\ + 24 \\ \hline \end{array}$ | $\begin{array}{r} 964 \\ + 21 \\ \hline \end{array}$ | $\begin{array}{r} 671 \\ + 18 \\ \hline \end{array}$ | $\begin{array}{r} 352 \\ + 32 \\ \hline \end{array}$ | $\begin{array}{r} 431 \\ + 41 \\ \hline \end{array}$ | $\begin{array}{r} 635 \\ + 23 \\ \hline \end{array}$ | $\begin{array}{r} 511 \\ + 86 \\ \hline \end{array}$ | $\begin{array}{r} 467 \\ + 22 \\ \hline \end{array}$ |
| $\begin{array}{r} 376 \\ + 22 \\ \hline \end{array}$ | $\begin{array}{r} 962 \\ + 14 \\ \hline \end{array}$ | $\begin{array}{r} 611 \\ + 78 \\ \hline \end{array}$ | $\begin{array}{r} 448 \\ + 31 \\ \hline \end{array}$ | $\begin{array}{r} 613 \\ + 14 \\ \hline \end{array}$ | $\begin{array}{r} 344 \\ + 44 \\ \hline \end{array}$ | $\begin{array}{r} 528 \\ + 41 \\ \hline \end{array}$ | $\begin{array}{r} 327 \\ + 30 \\ \hline \end{array}$ |

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 30 \\ +327 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ +344 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ +613 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ +448 \\ \hline \end{array} \quad \begin{array}{r} 78 \\ +611 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ +962 \\ \hline \end{array} \quad \begin{array}{r} 22 \\ +376 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +467 \\ \hline \end{array} \quad \begin{array}{r} 86 \\ +511 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ +635 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ +431 \\ \hline \end{array} \quad \begin{array}{r} 32 \\ +352 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ +671 \\ \hline \end{array} \quad \begin{array}{r} 21 \\ +964 \\ \hline \end{array} \quad \begin{array}{r} 24 \\ +653 \\ \hline \end{array}$$

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$$\begin{array}{r} 10 \\ +619 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ +465 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ +878 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ +440 \\ \hline \end{array} \quad \begin{array}{r} 20 \\ +428 \\ \hline \end{array} \quad \begin{array}{r} 20 \\ +436 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ +428 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ +465 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +347 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ +341 \\ \hline \end{array} \quad \begin{array}{r} 25 \\ +673 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ +724 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ +263 \\ \hline \end{array} \quad \begin{array}{r} 21 \\ +347 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ +381 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ +646 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +762 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ +328 \\ \hline \end{array} \quad \begin{array}{r} 33 \\ +324 \\ \hline \end{array} \quad \begin{array}{r} 40 \\ +725 \\ \hline \end{array} \quad \begin{array}{r} 21 \\ +666 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ +564 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ +421 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ +310 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| 619 +210 | 465 +123 | 878 +111 | 440 +123 | 428 +220 | 428 +311 |
| | | | | 436 +220 | 465 +223 |
| 467 +122 | 511 +186 | 323 +135 | 431 +241 | 671 +118 | 864 +121 |
| | | | | 352 +232 | 653 +153 |
| 327 +330 | 528 +241 | 344 +144 | 613 +214 | 611 +278 | 762 +114 |
| | | | | 448 +231 | 376 +322 |
| 347 +422 | 341 +231 | 673 +325 | 724 +153 | 347 +721 | 381 +417 |
| | | | | 263 +615 | 646 +213 |
| 762 +214 | 328 +441 | 324 +533 | 225 +440 | 564 +315 | 421 +431 |
| | | | | 666 +321 | 310 +410 |

Solving column addition problems with three or more addends and sums to 20.

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 983 | 8-8 | 529 | 875 | 339 |
| 27 | 2-8 | 659 | 199 | 437 |
| 972 | 2-7 | 644 | 189 | 422 |
| 25 | 2-5 | 658 | 197 | 423 |
| 982 | 2-4 | 650 | 188 | 419 |
| 977 | 2-3 | 656 | 187 | 418 |
| 973 | 2-2 | 658 | 187 | 418 |
| 971 | 2-1 | 658 | 187 | 418 |
| 970 | 2-0 | 658 | 187 | 418 |
| 969 | 1-9 | 658 | 187 | 418 |
| 968 | 1-8 | 658 | 187 | 418 |
| 967 | 1-7 | 658 | 187 | 418 |
| 966 | 1-6 | 658 | 187 | 418 |
| 965 | 1-5 | 658 | 187 | 418 |
| 964 | 1-4 | 658 | 187 | 418 |
| 963 | 1-3 | 658 | 187 | 418 |
| 962 | 1-2 | 658 | 187 | 418 |
| 961 | 1-1 | 658 | 187 | 418 |
| 960 | 1-0 | 658 | 187 | 418 |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 506 | 5/25 | 6/9 | 1:37 | 438 |
| 507 | 5/25 | 6/9 | 1:37 | 450 |
| 508 | 5/25 | 6/9 | 1:37 | 429 |
| 509 | 5/25 | 6/9 | 1:37 | 450 |
| 510 | 5/25 | 6/9 | 1:37 | 450 |
| 511 | 5/25 | 6/9 | 1:37 | 450 |
| 512 | 5/25 | 6/9 | 1:37 | 450 |
| 513 | 5/25 | 6/9 | 1:37 | 450 |
| 514 | 5/25 | 6/9 | 1:37 | 450 |
| 515 | 5/25 | 6/9 | 1:37 | 450 |
| 516 | 5/25 | 6/9 | 1:37 | 450 |
| 517 | 5/25 | 6/9 | 1:37 | 450 |
| 518 | 5/25 | 6/9 | 1:37 | 450 |
| 519 | 5/25 | 6/9 | 1:37 | 450 |
| 520 | 5/25 | 6/9 | 1:37 | 450 |
| 521 | 5/25 | 6/9 | 1:37 | 450 |
| 522 | 5/25 | 6/9 | 1:37 | 450 |
| 523 | 5/25 | 6/9 | 1:37 | 450 |
| 524 | 5/25 | 6/9 | 1:37 | 450 |
| 525 | 5/25 | 6/9 | 1:37 | 450 |
| 526 | 5/25 | 6/9 | 1:37 | 450 |
| 527 | 5/25 | 6/9 | 1:37 | 450 |
| 528 | 5/25 | 6/9 | 1:37 | 450 |
| 529 | 5/25 | 6/9 | 1:37 | 450 |
| 530 | 5/25 | 6/9 | 1:37 | 450 |
| 531 | 5/25 | 6/9 | 1:37 | 450 |
| 532 | 5/25 | 6/9 | 1:37 | 450 |
| 533 | 5/25 | 6/9 | 1:37 | 450 |
| 534 | 5/25 | 6/9 | 1:37 | 450 |
| 535 | 5/25 | 6/9 | 1:37 | 450 |
| 536 | 5/25 | 6/9 | 1:37 | 450 |
| 537 | 5/25 | 6/9 | 1:37 | 450 |
| 538 | 5/25 | 6/9 | 1:37 | 450 |
| 539 | 5/25 | 6/9 | 1:37 | 450 |
| 540 | 5/25 | 6/9 | 1:37 | 450 |
| 541 | 5/25 | 6/9 | 1:37 | 450 |
| 542 | 5/25 | 6/9 | 1:37 | 450 |
| 543 | 5/25 | 6/9 | 1:37 | 450 |
| 544 | 5/25 | 6/9 | 1:37 | 450 |
| 545 | 5/25 | 6/9 | 1:37 | 450 |
| 546 | 5/25 | 6/9 | 1:37 | 450 |
| 547 | 5/25 | 6/9 | 1:37 | 450 |
| 548 | 5/25 | 6/9 | 1:37 | 450 |
| 549 | 5/25 | 6/9 | 1:37 | 450 |
| 550 | 5/25 | 6/9 | 1:37 | 450 |
| 551 | 5/25 | 6/9 | 1:37 | 450 |
| 552 | 5/25 | 6/9 | 1:37 | 450 |
| 553 | 5/25 | 6/9 | 1:37 | 450 |
| 554 | 5/25 | 6/9 | 1:37 | 450 |
| 555 | 5/25 | 6/9 | 1:37 | 450 |
| 556 | 5/25 | 6/9 | 1:37 | 450 |
| 557 | 5/25 | 6/9 | 1:37 | 450 |
| 558 | 5/25 | 6/9 | 1:37 | 450 |
| 559 | 5/25 | 6/9 | 1:37 | 450 |
| 560 | 5/25 | 6/9 | 1:37 | 450 |
| 561 | 5/25 | 6/9 | 1:37 | 450 |
| 562 | 5/25 | 6/9 | 1:37 | 450 |
| 563 | 5/25 | 6/9 | 1:37 | 450 |
| 564 | 5/25 | 6/9 | 1:37 | 450 |
| 565 | 5/25 | 6/9 | 1:37 | 450 |
| 566 | 5/25 | 6/9 | 1:37 | 450 |
| 567 | 5/25 | 6/9 | 1:37 | 450 |
| 568 | 5/25 | 6/9 | 1:37 | 450 |
| 569 | 5/25 | 6/9 | 1:37 | 450 |
| 570 | 5/25 | 6/9 | 1:37 | 450 |
| 571 | 5/25 | 6/9 | 1:37 | 450 |
| 572 | 5/25 | 6/9 | 1:37 | 450 |
| 573 | 5/25 | 6/9 | 1:37 | 450 |
| 574 | 5/25 | 6/9 | 1:37 | 450 |
| 575 | 5/25 | 6/9 | 1:37 | 450 |
| 576 | 5/25 | 6/9 | 1:37 | 450 |
| 577 | 5/25 | 6/9 | 1:37 | 450 |
| 578 | 5/25 | 6/9 | 1:37 | 450 |
| 579 | 5/25 | 6/9 | 1:37 | 450 |
| 580 | 5/25 | 6/9 | 1:37 | 450 |
| 581 | 5/25 | 6/9 | 1:37 | 450 |
| 582 | 5/25 | 6/9 | 1:37 | 450 |
| 583 | 5/25 | 6/9 | 1:37 | 450 |
| 584 | 5/25 | 6/9 | 1:37 | 450 |
| 585 | 5/25 | 6/9 | 1:37 | 450 |
| 586 | 5/25 | 6/9 | 1:37 | 450 |
| 587 | 5/25 | 6/9 | 1:37 | 450 |
| 588 | 5/25 | 6/9 | 1:37 | 450 |
| 589 | 5/25 | 6/9 | 1:37 | 450 |
| 590 | 5/25 | 6/9 | 1:37 | 450 |

| NAME | DATE | CLASS | TIME | COUNT | | |
|------|------|-------|------|-------|-----|-----|
| 951 | 287 | 532 | 851 | 313 | 638 | 153 |
| | | | | | | 424 |
| | | | | | | 634 |
| | | | | | | 931 |
| | | | | | | 218 |
| 934 | 247 | 512 | 811 | 321 | 637 | 754 |
| | | | | | | 433 |
| | | | | | | 642 |
| | | | | | | 936 |
| | | | | | | 267 |
| 921 | 237 | 547 | 836 | 319 | 626 | 739 |
| | | | | | | 421 |
| | | | | | | 661 |
| | | | | | | 929 |
| | | | | | | 287 |
| 917 | 296 | 514 | 828 | 314 | 635 | 741 |
| | | | | | | 428 |
| | | | | | | 627 |
| | | | | | | 928 |
| | | | | | | 276 |
| 916 | 297 | 525 | 835 | 317 | 653 | 755 |
| | | | | | | 429 |
| | | | | | | 652 |
| | | | | | | 946 |
| | | | | | | 763 |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 955 | 871 | 358 | 651 | 168 |
| | 524 | | 497 | 649 |
| | 258 | | 954 | 219 |
| 923 | 845 | 339 | 647 | 183 |
| | 538 | | 437 | 632 |
| | 243 | | 914 | 225 |
| 194 | 819 | 389 | 611 | 169 |
| 158 | 591 | | 415 | 615 |
| | 216 | | 925 | 226 |
| 319 | 854 | 312 | 616 | 185 |
| | 577 | | 484 | 684 |
| | 219 | | 956 | 269 |
| 449 | 825 | 367 | 629 | 147 |
| | 519 | | 487 | 664 |
| | 268 | | 936 | 294 |

COUNT

TIME

CLASS

DATE

NAME

725-1

3842

5536

2952

5333

7814

1365

4752

8172

6542

1590231

5293

1638

8532

4712

6382

9146

2943

6363

9234

4021

7335

6803

3225

5724

2563

1724

3592

6912

9252

2537

4462

5714

3-92

7442

2832

94-15

1457

4772

2645

5-77

9722

1032

800-4

5263

0543

3574

4285

7253

95-4

2635

6531

2345

1024

72001

Placing $<$ $>$ or $=$ between two addition expressions to show their relationship.
Sums to 12.

DATE CLASS TIME COUNT

| | | | | | | | | | | | |
|-----|------|------|------|------|------|-----|------|------|------|------|-----|
| 0+0 | 7+5 | 3+5 | 0+7 | 4+4 | 2+6 | 0+2 | 3+0 | 11+1 | 6+4 | 5+3 | 4+2 |
| 7+2 | 4+6 | 4+1 | 3+3 | 0+3 | 2+3 | 0+9 | 1+10 | 2+2 | 1+3 | 3+1 | 1+2 |
| 2+0 | 1+9 | 5+2 | 3+3 | 6+1 | 6+0 | 2+4 | 5+2 | 3+8 | 0+8 | 3+9 | 7+4 |
| 9+0 | 12+0 | 5+4 | 4+5 | 7+1 | 8+0 | 7+0 | 8+2 | 9+2 | 8+1 | 7+3 | 6+3 |
| 3+3 | 6+0 | 2+5 | 3+4 | 8+2 | 7+3 | 6+2 | 9+1 | 4+8 | 8+4 | 4+6 | 3+6 |
| 9+1 | 10+1 | 1+6 | 0+5 | 1+3 | 2+6 | 1+0 | 3+2 | 5+6 | 6+4 | 5+1 | 1+9 |
| 5+0 | 4+1 | 5+6 | 4+5 | 0+11 | 4+1 | 0+4 | 1+5 | 1+4 | 1+1 | 1+2 | 2+0 |
| 4+3 | 4+8 | 10+0 | 11+1 | 0+6 | 0+11 | 4+3 | 3+4 | 7+1 | 6+1 | 10+1 | 3+7 |
| 0+1 | 3+6 | 1+1 | 1+3 | 1+8 | 2+10 | 4+0 | 5+2 | 0+12 | 11+0 | 5+5 | 6+5 |
| 8+0 | 6+6 | 9+0 | 6+3 | 7+2 | 9+2 | 5+7 | 9+3 | 2+9 | 10+2 | 7+4 | 8+1 |
| 8+3 | 10+2 | 7+5 | 3+4 | 2+7 | 3+5 | 5+5 | 6+5 | 5+0 | 3+0 | 2+1 | 1+7 |

NAME

161

COUNT

CLASS

TIME

DATE

NAME

| | | | | | | | | | | | |
|------|-----|------|-----|------|------|------|------|-----|------|------|------|
| 5+7 | 8+2 | 2+1 | 1+7 | 5+0 | 3+0 | 5+5 | 6+5 | 2+7 | 3+5 | 7+5 | 3+4 |
| 4+4 | 4+2 | 7+4 | 8+1 | 2+9 | 10+2 | 5+7 | 9+3 | 7+2 | 9+2 | 9+0 | 6+3 |
| 1+5 | 3+2 | 5+5 | 6+5 | 0+12 | 11+0 | 4+0 | 5+2 | 1+8 | 2+10 | 1+1 | 1+3 |
| 4+5 | 3+4 | 10+1 | 3+7 | 7+1 | 6+1 | 4+3 | 3+4 | 0+6 | 0+11 | 10+0 | 11+1 |
| 5+1 | 7+0 | 1+2 | 2+0 | 1+4 | 1+5 | 0+11 | 4+1 | 5+6 | 4+5 | 9+1 | 10+1 |
| 3+1 | 2+5 | 4+6 | 3+6 | 4+8 | 8+4 | 6+2 | 9+1 | 8+2 | 7+3 | 2+5 | 3+4 |
| 1+11 | 2+4 | 7+3 | 6+3 | 9+2 | 8+1 | 7+0 | 8+2 | 7+1 | 8+0 | 5+4 | 4+5 |
| 3+6 | 2+7 | 3+9 | 7+4 | 3+8 | 0+8 | 2+4 | 5+2 | 6+1 | 6+0 | 5+2 | 3+3 |
| 6+2 | 3+7 | 3+1 | 1+2 | 2+2 | 1+3 | 0+9 | 1+10 | 0+3 | 2+3 | 4+1 | 3+3 |
| 4+7 | 2+8 | 5+1 | 1+9 | 5+6 | 6+4 | 1+0 | 3+2 | 1+3 | 2+6 | 1+6 | 0+5 |
| 6+6 | 8+3 | 5+3 | 4+2 | 11+1 | 6+4 | 0+2 | 3+9 | 4+4 | 2+6 | 3+5 | 0+7 |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | | | | | | | | |
|-----|------|------|-----|------|------|-----|------|------|------|------|------|
| 0+2 | 3+0 | 5+3 | 4+2 | 3+5 | 0+7 | 0+0 | 1+5 | 4+4 | 2+6 | 11+1 | 6+4 |
| 0+9 | 1+10 | 3+1 | 1+2 | 4+1 | 3+2 | 7+2 | 4+6 | 0+3 | 2+3 | 2+2 | 1+3 |
| 2+4 | 5+2 | 3+9 | 7+4 | 5+12 | 3+3 | 2+0 | 1+4 | 6+1 | 6+0 | 3+8 | 0+8 |
| 7+0 | 8+2 | 7+3 | 6+3 | 5+4 | 4+5 | 9+0 | 12+0 | 7+1 | 8+0 | 9+2 | 8+1 |
| 6+2 | 9+1 | 4+6 | 3+6 | 2+5 | 3+4 | 3+3 | 6+0 | 8+2 | 7+3 | 4+8 | 8+4 |
| 1+0 | 3+2 | 5+1 | 1+9 | 1+6 | 0+5 | 9+1 | 10+1 | 1+3 | 2+6 | 5+7 | 8+2 |
| 0+4 | 1+5 | 1+2 | 2+0 | 5+6 | 4+5 | 5+0 | 4+1 | 0+11 | 4+1 | 1+4 | 1+1 |
| 4+3 | 3+4 | 10+1 | 7+3 | 10+0 | 11+1 | 4+3 | 4+8 | 0+6 | 0+11 | 7+1 | 6+1 |
| 4+0 | 5+2 | 5+5 | 6+5 | 1+1 | 1+3 | 0+1 | 3+6 | 1+8 | 2+10 | 0+12 | 11+0 |
| 5+7 | 9+3 | 7+4 | 8+1 | 9+0 | 6+3 | 1+8 | 2+10 | 0+12 | 11+0 | 7+1 | 6+1 |
| 5+5 | 6+5 | 2+1 | 1+7 | 7+5 | 3+4 | 8+3 | 10+2 | 2+7 | 3+5 | 5+0 | 3+0 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | | |
|------|-----|------|------|------|------|------|-----|------|------|------|-----|------|-----|
| 7+5 | 0+0 | 0+7 | 3+5 | 6+2 | 4+4 | 5+6 | 5+5 | 0+3 | 5+0 | 1+7 | 1+2 | 7+5 | 8+2 |
| 4+6 | 7+2 | 3+3 | 4+1 | 3+2 | 3+0 | 3+4 | 7+5 | 9+2 | 2+10 | 4+7 | 1+8 | 4+4 | 2+4 |
| 1+9 | 2+0 | 3+3 | 5+2 | 0+6 | 1+6 | 2+5 | 0+4 | 12+0 | 0+11 | 5+5 | 5+6 | 5+1 | 2+3 |
| 12+0 | 9+0 | 5+4 | 4+5 | 0+8 | 1+7 | 4+3 | 3+4 | 1+7 | 1+6 | 1+10 | 7+3 | 5+4 | 3+4 |
| 6+0 | 3+3 | 4+3 | 5+2 | 3+7 | 2+8 | 5+1 | 4+0 | 4+1 | 1+1 | 2+1 | 0+2 | 1+5 | 0+7 |
| 10+1 | 9+1 | 5+0 | 6+1 | 2+6 | 3+1 | 2+3 | 0+1 | 6+5 | 4+6 | 1+5 | 9+1 | 7+14 | 8+2 |
| 4+1 | 5+0 | 6+5 | 5+4 | 1+4 | 11+0 | 1+9 | 2+6 | 8+4 | 4+8 | 6+4 | 6+3 | 1+3 | 5+1 |
| 4+8 | 4+3 | 11+1 | 10+1 | 0+11 | 6+0 | 2+8 | 0+7 | 2+9 | 1+8 | 3+7 | 3+6 | 11+1 | 4+2 |
| 3+6 | 0+1 | 1+3 | 1+1 | 10+2 | 8+1 | 4+2 | 2+5 | 8+3 | 1+8 | 9+3 | 4+7 | 6+3 | 7+2 |
| 6+6 | 8+0 | 6+3 | 0+9 | 2+9 | 2+7 | 2+5 | 4+2 | 8+3 | 0+8 | 1+3 | 2+1 | 2+6 | 7+3 |
| 10+2 | 8+3 | 3+4 | 7+5 | 5+3 | 7+2 | 10+1 | 9+0 | 2+2 | 3+1 | 3+5 | 2+4 | 6+6 | 3+8 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | | |
|------|-----|------|-----|-----|------|------|------|-----|------|------|------|------|------|
| 4+2 | 5+3 | 8+3 | 6+6 | 6+9 | 1+10 | 3+0 | 2+2 | 3+8 | 2+10 | 5+7 | 4+3 | 2+7 | 3+5 |
| 1+2 | 3+1 | 6+2 | 3+7 | 5+2 | 4+2 | 8+0 | 3+8 | 0+8 | 6+6 | 9+0 | 3+6 | 7+2 | 2+9 |
| 7+4 | 9+3 | 2+7 | 3+6 | 5+2 | 2+4 | 8+1 | 3+8 | 1+0 | 6+3 | 1+1 | 3+1 | 1+8 | 2+10 |
| 6+3 | 7+3 | 1+11 | 2+4 | 7+0 | 2+8 | 9+2 | 8+1 | 3+4 | 8+4 | 0+10 | 11+1 | 0+6 | 11+0 |
| 4+6 | 3+6 | 3+1 | 2+5 | 9+1 | 6+2 | 8+4 | 4+8 | 1+4 | 0+5 | 4+5 | 5+6 | 11+0 | 4+1 |
| 1+5 | 1+9 | 4+7 | 2+8 | 1+0 | 3+2 | 6+4 | 5+6 | 1+9 | 1+10 | 1+6 | 0+5 | 1+3 | 6+2 |
| 1+2 | 2+0 | 5+1 | 7+0 | 1+5 | 0+4 | 1+1 | 1+4 | 3+3 | 0+6 | 2+5 | 3+4 | 8+2 | 3+7 |
| 10+1 | 3+7 | 4+3 | 4+5 | 3+4 | 3+4 | 7+1 | 6+1 | 0+9 | 0+12 | 5+4 | 4+5 | 7+1 | 0+8 |
| 5+5 | 6+5 | 1+5 | 3+2 | 4+0 | 5+2 | 11+0 | 0+12 | 0+2 | 9+1 | 2+5 | 3+3 | 6+1 | 0+6 |
| 7+4 | 8+1 | 4+2 | 4+4 | 9+3 | 5+7 | 2+9 | 10+2 | 2+7 | 6+1 | 5+3 | 7+10 | 4+1 | 2+6 |

Mastery subtraction facts, numbers to 18.

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 4 | 4 | 5 | 4 | 2 | 5 | 3 | 5 | 4 | 1 | 5 | 4 |
| -0 | -1 | -0 | -2 | -2 | -1 | -1 | -3 | -2 | -2 | -1 | -4 | -0 |
| 2 | 3 | 3 | 4 | 3 | 0 | 5 | 4 | 1 | 4 | 5 | 4 | 5 |
| -1 | -0 | -2 | -4 | -1 | -0 | -2 | -3 | -0 | -2 | -1 | -4 | -0 |
| 4 | 3 | 3 | 4 | 5 | 2 | 4 | 3 | 5 | 4 | 2 | 3 | 5 |
| -1 | -2 | -0 | -3 | -5 | -0 | -2 | -0 | -0 | -1 | -0 | -2 | -1 |
| 4 | 3 | 4 | 5 | 3 | 2 | 2 | 5 | 3 | 4 | 1 | 3 | 3 |
| -4 | -1 | -1 | -3 | -1 | -0 | -1 | -0 | -0 | -1 | -0 | -1 | -3 |
| 4 | 3 | 3 | 4 | 5 | 4 | 2 | 2 | 3 | 4 | 4 | 4 | 2 |
| -2 | -2 | -0 | -2 | -1 | -4 | -1 | -2 | -0 | -1 | -2 | -3 | -1 |
| 3 | 4 | 5 | 5 | 4 | 4 | 3 | 3 | 5 | 4 | 2 | 5 | 4 |
| -3 | -0 | -2 | -0 | -1 | -2 | -3 | -1 | -2 | -3 | -0 | -2 | -4 |

COUNT

END

CLASS

DATE _____

NAME:

$$\begin{array}{r} 69 \\ \underline{-6} \\ 63 \end{array} \quad \begin{array}{r} 89 \\ \underline{-6} \\ 83 \end{array} \quad \begin{array}{r} 99 \\ \underline{-2} \\ 97 \end{array} \quad \begin{array}{r} 88 \\ \underline{-2} \\ 86 \end{array} \quad \begin{array}{r} 66 \\ \underline{-0} \\ 66 \end{array} \quad \begin{array}{r} 94 \\ \underline{-0} \\ 94 \end{array} \quad \begin{array}{r} 80 \\ \underline{-0} \\ 80 \end{array} \quad \begin{array}{r} 73 \\ \underline{-0} \\ 73 \end{array} \quad \begin{array}{r} 88 \\ \underline{-0} \\ 88 \end{array} \quad \begin{array}{r} 97 \\ \underline{-0} \\ 97 \end{array} \quad \begin{array}{r} 64 \\ \underline{-0} \\ 64 \end{array}$$

$$\begin{array}{r} 7 \\ 10 \\ 8 \\ 9 \\ 5 \\ 7 \\ 6 \\ 7 \\ 6 \end{array} \begin{array}{r} 3 \\ 2 \\ 5 \\ 5 \\ 3 \\ 2 \\ 3 \\ 4 \\ 4 \end{array} \begin{array}{r} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline 2 \end{array}$$
$$\begin{array}{r} 10 \\ -6 \\ \hline 4 \end{array}$$
$$\begin{array}{r} 9 \\ -5 \\ \hline 4 \end{array}$$
$$\begin{array}{r} 10 \\ -4 \\ \hline 6 \end{array}$$
$$\begin{array}{r} 7 \\ -5 \\ \hline 2 \end{array}$$
$$\begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array}$$
$$\begin{array}{r} 6 \\ -1 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 9 \\ -6 \\ \hline 3 \end{array}$$
$$\begin{array}{r} 8 \\ -2 \\ \hline 6 \end{array}$$
$$\begin{array}{r} 9 \\ -6 \\ \hline 3 \end{array}$$
$$\begin{array}{r} 10 \\ -5 \\ \hline 5 \end{array}$$
$$\begin{array}{r} 9 \\ -6 \\ \hline 3 \end{array}$$
$$\begin{array}{r} 10 \\ -7 \\ \hline 3 \end{array}$$

$\frac{69}{10} - \frac{3}{1}$

$$\begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array} \quad \begin{array}{r} 7 \\ -0 \\ \hline 7 \end{array} \quad \begin{array}{r} 10 \\ -2 \\ \hline 8 \end{array} \quad \begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array} \quad \begin{array}{r} 7 \\ -2 \\ \hline 9 \end{array} \quad \begin{array}{r} 6 \\ -2 \\ \hline 4 \end{array} \quad \begin{array}{r} 10 \\ -0 \\ \hline 10 \end{array} \quad \begin{array}{r} 8 \\ -7 \\ \hline 1 \end{array} \quad \begin{array}{r} 8 \\ -7 \\ \hline 1 \end{array} \quad \begin{array}{r} 9 \\ -4 \\ \hline 5 \end{array} \quad \begin{array}{r} 7 \\ -10 \\ \hline 17 \end{array} \quad \begin{array}{r} 5 \\ -10 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 99 \\ \hline 109 \\ \hline 63 \\ \hline 107 \\ \hline 92 \\ \hline 82 \\ \hline 63 \\ \hline 83 \\ \hline 7 \\ \hline 108 \\ \hline 60 \\ \hline 83 \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 1 | 3 | 4 | 6 | 5 |
| -0 | -1 | -2 | -1 | -2 |
| | | | | |
| 10 | 5 | 4 | 7 | 5 |
| -5 | -4 | -0 | -4 | -4 |
| | | | | |
| 8 | 6 | 5 | 8 | 6 |
| -3 | -5 | -3 | -5 | -2 |
| | | | | |
| 4 | 3 | 6 | 7 | 7 |
| -2 | -1 | -3 | -2 | -4 |
| | | | | |
| 3 | 10 | 6 | 8 | 9 |
| -1 | -5 | -4 | -5 | -4 |
| | | | | |
| 10 | 7 | 6 | 9 | 7 |
| -3 | -3 | -3 | -4 | -2 |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 10 | 12 | 15 | 17 | 10 |
| -1 | -9 | -3 | -6 | -8 |
| | | | | |
| 10 | 11 | 16 | 12 | 15 |
| -5 | -8 | -9 | -8 | -9 |
| | | | | |
| 10 | 15 | 13 | 12 | 16 |
| -7 | -8 | -4 | -4 | -8 |
| | | | | |
| 14 | 11 | 10 | 13 | 16 |
| -8 | -6 | -9 | -9 | -8 |
| | | | | |
| 10 | 14 | 13 | 12 | 16 |
| -10 | -9 | -5 | -5 | -8 |
| | | | | |
| 12 | 18 | 16 | 17 | 10 |
| -6 | -9 | -9 | -8 | -4 |
| | | | | |

171

Subtracting 2 digits-no borrowing.

| NAME | DATE | CLASS | TIME | COUNT | | | | | | |
|------|------|-------|------|-------|-----|-----|-----|-----|-----|-----|
| | 10 | 12 | 14 | 17 | 20 | 27 | 35 | 33 | 24 | 32 |
| | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| | 31 | 23 | 37 | 25 | 16 | 28 | 21 | 30 | 19 | 34 |
| | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |
| | 13 | 36 | 22 | 38 | 29 | 15 | 39 | 18 | 26 | 11 |
| | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 | -10 |

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 40 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 36 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 45 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 37 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 38 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 46 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 37 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 50 \\ -10 \\ \hline \end{array}$$

174

$$\begin{array}{r} 50 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 46 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 38 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 42 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 45 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 40 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 38 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 42 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 48 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 43 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 43 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 39 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 48 \\ -10 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 35 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ -11 \\ \hline \end{array}$$

175

$$\begin{array}{r} 49 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ -19 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ 10 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ -10 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ -11 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 46 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 36 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 25 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 38 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 29 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 32 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 30 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 43 \\ -12 \\ \hline \end{array}$$

176

$$\begin{array}{r} 27 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 22 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 34 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 28 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 24 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 26 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 39 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 21 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 38 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 37 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 20 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 33 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 19 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 42 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 45 \\ -12 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r}
 19 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 35 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 29 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 19 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 31 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 50 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 40 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 15 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 26 \\
 -12 \\
 \hline
 \end{array}
 \begin{array}{r}
 34 \\
 -11 \\
 \hline
 \end{array}$$

177

$$\begin{array}{r}
 48 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 13 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 34 \\
 -12 \\
 \hline
 \end{array}
 \begin{array}{r}
 22 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 48 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 39 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 19 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 28 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 46 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 34 \\
 -10 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 22 \\
 -11 \\
 \hline
 \end{array}
 \begin{array}{r}
 35 \\
 -12 \\
 \hline
 \end{array}
 \begin{array}{r}
 47 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 47 \\
 -12 \\
 \hline
 \end{array}
 \begin{array}{r}
 45 \\
 -12 \\
 \hline
 \end{array}
 \begin{array}{r}
 37 \\
 -12 \\
 \hline
 \end{array}
 \begin{array}{r}
 11 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 47 \\
 -12 \\
 \hline
 \end{array}
 \begin{array}{r}
 31 \\
 -10 \\
 \hline
 \end{array}
 \begin{array}{r}
 29 \\
 -12 \\
 \hline
 \end{array}$$

Using $<$ $>$ or $=$ between subtraction expressions. Sums to 18.

| NAME | DATE | CLASS | TIME | COUNT |
|----------|------|-------|------|-----------|
| 2-1 3-2 | 5-2 | 7-1 | 8-2 | 5-1 6-3 |
| 9-3 11-2 | 6-1 | 7-2 | 9-3 | 9-1 10-4 |
| 7-1 8-3 | 5-3 | 8-1 | 8-3 | 6-2 5-2 |
| 8-2 6-1 | 4-1 | 3-3 | 10-3 | 11-1 10-0 |
| 4-4 5-4 | 7-3 | 6-4 | 3-2 | 6-3 4-2 |
| 10-5 8-4 | 7-5 | 6-4 | 8-5 | 9-5 5-2 |
| 11-5 9-4 | 6-1 | 7-5 | 11-4 | 10-4 9-3 |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|------------------|
| 11-5 | 6-1 | 7-3 | 5-2 | 8-2 9-3 10-2 7-5 |
| 7-2 | 8-5 | 8-1 | 10-5 | 11-2 9-4 5-3 4-2 |
| 7-1 | 10-3 | 9-5 | 6-4 | 4-3 8-7 5-1 4-3 |
| 6-2 | 7-4 | 1-1 | 2-2 | 6-3 10-4 3-1 8-3 |
| 6-5 | 4-1 | 11-4 | 9-1 | 3-2 4-3 11-3 8-1 |
| 11-3 | 10-1 | 8-4 | 6-3 | 6-4 8-5 10-6 9-3 |
| 5-5 | 7-6 | 11-4 | 9-3 | 10-2 8-4 4-3 6-4 |

NAME DATE CLASS TIME COUNT

| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 12-7 | 15-10 | 11-6 | 9-7 | 8-6 | 9-8 | 8-8 | 13-12 |
| 10-8 | 9-6 | 13-8 | 12-7 | 11-8 | 12-11 | 11-9 | 13-10 |
| 15-8 | 14-7 | 18-7 | 16-3 | 17-8 | 18-9 | 17-7 | 14-8 |
| 16-7 | 12-9 | 14-10 | 15-11 | 15-12 | 14-9 | 11-10 | 13-10 |
| 17-9 | 16-11 | 9-9 | 11-10 | 13-11 | 14-9 | 12-10 | 11-10 |
| 14-12 | 16-13 | 15-13 | 17-14 | 18-15 | 16-15 | 13-13 | 11-10 |
| 16-12 | 17-15 | 15-9 | 17-10 | 17-11 | 16-14 | 18-12 | 15-5 |

| | | | |
|-----------|-----------|-----------|-----------|
| 12-1 13-2 | 14-3 16-2 | 16-3 13-4 | 12-5 13-3 |
| 15-3 14-2 | 13-1 16-4 | 18-4 15-2 | 18-2 15-4 |
| 17-5 12-2 | 15-1 12-3 | 16-5 17-1 | 14-5 17-2 |
| 13-5 15-6 | 14-4 12-6 | 17-6 14-1 | 17-4 15-5 |
| 18-3 16-1 | 18-1 16-6 | 13-6 14-5 | 14-6 18-5 |
| 17-3 18-5 | 18-6 12-0 | 12-4 11-4 | 14-1 13-2 |
| 13-4 15-2 | 16-4 13-2 | 15-5 12-2 | 15-2 17-5 |

| NAME | DATE | CLASS | TIME | COUNT |
|-------|-------|-------|-------|-------------------------|
| 16-9 | 13-11 | 17-12 | 15-14 | 18-14 14-10 18-11 17-13 |
| 15-15 | 14-14 | 16-10 | 13-9 | 10-9 18-16 16-10 18-13 |
| 17-11 | 16-16 | 18-17 | 17-17 | 17-16 14-13 18-18 13-13 |
| 17-5 | 13-10 | 9-8 | 12-7 | 18-4 17-15 18-2 16-2 |
| 16-3 | 12-1 | 15-7 | 12-4 | 14-7 13-5 16-7 15-5 |
| 15-9 | 16-8 | 17-15 | 18-15 | 15-6 18-9 15-8 18-7 |
| 16-13 | 13-3 | 18-4 | 16-3 | 14-5 17-6 16-4 13-2 |

Mastery of sums thru 20. Timed test.

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 12 \\ +1 \\ \hline 4 \\ +6 \\ \hline 3 \\ +5 \\ \hline 0 \\ +1 \\ \hline 3 \\ +3 \\ \hline 2 \\ +3 \\ \hline 6 \\ +4 \\ \hline 2 \\ +6 \\ \hline 0 \\ +6 \\ \hline 3 \\ +1 \\ \hline 6 \\ +7 \\ \hline 4 \\ +5 \\ \hline 9 \\ +2 \\ \hline 6 \\ +2 \\ \hline 8 \\ +1 \\ \hline 9 \\ +3 \\ \hline 5 \\ +0 \\ \hline 4 \\ +7 \\ \hline 2 \\ +9 \\ \hline 3 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +1 \\ \hline 6 \\ +5 \\ \hline 3 \\ +3 \\ \hline 2 \\ +3 \\ \hline 7 \\ +1 \\ \hline 3 \\ +8 \\ \hline 5 \\ +3 \\ \hline 3 \\ +8 \\ \hline 7 \\ +1 \\ \hline 0 \\ +4 \\ \hline 6 \\ +3 \\ \hline 4 \\ +8 \\ \hline 8 \\ +2 \\ \hline 10 \\ +10 \\ \hline 2 \\ +2 \\ \hline 0 \\ +0 \\ \hline 6 \\ +4 \\ \hline 0 \\ +6 \\ \hline 3 \\ +3 \\ \hline 5 \\ +0 \\ \hline 4 \\ +0 \\ \hline 3 \\ +6 \\ \hline 5 \\ +3 \\ \hline 4 \\ +0 \\ \hline \end{array}$$

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$$\begin{array}{r} 4 \\ +6 \\ \hline 1 \\ +4 \\ \hline 1 \\ +5 \\ \hline 4 \\ +4 \\ \hline 7 \\ +5 \\ \hline 1 \\ +7 \\ \hline 9 \\ +1 \\ \hline 2 \\ +1 \\ \hline 7 \\ +2 \\ \hline 9 \\ +1 \\ \hline 11 \\ +1 \\ \hline 5 \\ +5 \\ \hline 7 \\ +4 \\ \hline 3 \\ +3 \\ \hline 10 \\ +1 \\ \hline 4 \\ +2 \\ \hline 2 \\ +0 \\ \hline 10 \\ +2 \\ \hline 5 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +3 \\ \hline 1 \\ +10 \\ \hline 5 \\ +4 \\ \hline 2 \\ +9 \\ \hline 7 \\ +0 \\ \hline 4 \\ +1 \\ \hline 2 \\ +5 \\ \hline 6 \\ +0 \\ \hline 5 \\ +6 \\ \hline 1 \\ +0 \\ \hline 1 \\ +6 \\ \hline 8 \\ +8 \\ \hline 3 \\ +0 \\ \hline 2 \\ +12 \\ \hline 0 \\ +9 \\ \hline 1 \\ +5 \\ \hline 0 \\ +6 \\ \hline 2 \\ +1 \\ \hline 10 \\ +6 \\ \hline 3 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline 0 \\ +5 \\ \hline 7 \\ +0 \\ \hline 2 \\ +7 \\ \hline 5 \\ +7 \\ \hline 0 \\ +8 \\ \hline 9 \\ +0 \\ \hline 2 \\ +2 \\ \hline 0 \\ +7 \\ \hline 7 \\ +4 \\ \hline 8 \\ +5 \\ \hline 4 \\ +3 \\ \hline 5 \\ +3 \\ \hline 6 \\ +2 \\ \hline 0 \\ +4 \\ \hline 1 \\ +7 \\ \hline 2 \\ +5 \\ \hline 3 \\ +9 \\ \hline 3 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +4 \\ \hline 10 \\ +0 \\ \hline 4 \\ +3 \\ \hline 7 \\ +5 \\ \hline 7 \\ +2 \\ \hline 0 \\ +5 \\ \hline 2 \\ +10 \\ \hline 1 \\ +8 \\ \hline 2 \\ +6 \\ \hline 2 \\ +4 \\ \hline 5 \\ +3 \\ \hline 1 \\ +6 \\ \hline 6 \\ +4 \\ \hline 2 \\ +2 \\ \hline 8 \\ +4 \\ \hline 3 \\ +5 \\ \hline 1 \\ +0 \\ \hline 3 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +3 \\ \hline 2 \\ +7 \\ \hline 1 \\ +2 \\ \hline 3 \\ +4 \\ \hline 1 \\ +1 \\ \hline 6 \\ +4 \\ \hline 8 \\ +3 \\ \hline 0 \\ +3 \\ \hline 8 \\ +2 \\ \hline 9 \\ +1 \\ \hline 5 \\ +10 \\ \hline 3 \\ +6 \\ \hline 2 \\ +3 \\ \hline 3 \\ +6 \\ \hline 2 \\ +3 \\ \hline 4 \\ +3 \\ \hline 2 \\ +2 \\ \hline 5 \\ +5 \\ \hline 3 \\ +9 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT | |
|------|------|-------|------|-------|----|
| 8 | 1 | 6 | 3 | 3 | 11 |
| +2 | +0 | +3 | +5 | +1 | +4 |
| | 2 | 3 | 10 | 11 | |
| | +1 | +0 | +1 | +0 | +1 |
| | 3 | 2 | 3 | 10 | 11 |
| | +3 | +1 | +0 | +1 | +4 |
| | 4 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 5 | 2 | 3 | 10 | 11 |
| | +3 | +1 | +0 | +1 | +4 |
| | 6 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 7 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 8 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 9 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 10 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 11 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 12 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 13 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 14 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 15 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 16 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 17 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 18 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 19 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 20 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 21 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 22 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 23 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 24 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 25 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 26 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 27 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 28 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 29 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 30 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 31 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 32 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 33 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 34 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 35 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 36 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 37 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 38 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 39 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 40 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 41 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 42 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 43 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 44 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 45 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 46 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 47 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 48 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 49 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 50 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 51 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 52 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 53 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 54 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 55 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 56 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 57 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 58 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 59 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 60 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 61 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 62 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 63 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 64 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 65 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 66 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 67 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 68 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 69 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 70 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 71 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 72 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 73 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 74 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 75 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 76 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 77 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 78 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 79 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 80 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 81 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 82 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 83 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 84 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 85 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 86 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 87 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 88 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 89 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 90 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 91 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 92 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 93 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 94 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 95 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 96 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 97 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 98 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 99 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |
| | 100 | 3 | 10 | 11 | |
| | +3 | +1 | +0 | +1 | +4 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 20 | 3 | 8 | 0 | 6 | 0 | 11 | 5 | 7 | 0 | 0 | 2 | 6 | 1 | 8 | 4 | 1 | 0 | 1 | 2 |
| +0 | +8 | +7 | +6 | +5 | +4 | +0 | +7 | +3 | +1 | +8 | +1 | +3 | +2 | +0 | +8 | +2 | +1 | +4 | |

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 9 | 7 | 4 | 10 | 10 | 1 | 7 | 0 | 9 | 1 | 8 | 2 | 0 | 5 | 0 | 7 | 16 | 2 | 18 | 2 |
| +7 | +1 | +8 | +7 | +4 | +5 | +1 | +7 | +4 | +6 | +0 | +5 | +7 | +1 | +8 | +2 | +0 | +3 | +1 | +6 |

| | | | | | | | | | | | | | | | | | | | |
|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 2 | 9 | 5 | 6 | 5 | 6 | 3 | 14 | 19 | 13 | 19 | 6 | 19 | 3 | 4 | 1 | 2 | 4 | 3 | 4 |
| +5 | +10 | +7 | +0 | +8 | +2 | +1 | +5 | +0 | +5 | +1 | +8 | +1 | +6 | +3 | +0 | +7 | +1 | +3 | +1 |

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 8 | 15 | 4 | 18 | 9 | 15 | 1 | 5 | 0 | 7 | 12 | 1 | 4 | 18 | 3 | 16 | 5 | 1 | 12 | 0 |
| +8 | +1 | +7 | +2 | +7 | +0 | +1 | +2 | +0 | +8 | +5 | +6 | +6 | +0 | +5 | +4 | +3 | +2 | +1 | +9 |

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 11 | 9 | 8 | 8 | 15 | 7 | 3 | 5 | 20 | 2 | 11 | 9 | 4 | 6 | 3 | 2 | 11 | 8 | 1 | 7 |
| +2 | +8 | +1 | +4 | +8 | +0 | +7 | +6 | +1 | +4 | +8 | +0 | +5 | +3 | +2 | +2 | +0 | +3 | +4 | +5 |

| | | | | | | | | | | | | | | | | | | | |
|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 7 | 10 | 16 | 9 | 14 | 9 | 6 | 9 | 14 | 6 | 3 | 7 | 10 | 10 | 9 | 6 | 13 | 16 | 5 | 1 |
| +14 | +18 | +2 | +6 | +0 | +8 | +4 | +9 | +1 | +6 | +4 | +6 | +2 | +6 | +2 | +5 | +6 | +4 | +4 | +1 |

| | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|
| 15 | 6 | 14 | 9 | 9 | 7 | 13 | 9 | 13 | 8 | 9 | 11 | 9 | 12 | 8 | 4 | 10 | 11 | 9 | 10 |
| +2 | +3 | +2 | +4 | +1 | +4 | +2 | +6 | +10 | +7 | +5 | +2 | +6 | +0 | +6 | +4 | +5 | +0 | +5 | +1 |

COUNT

TIME

CLASS

DATE

NAME

4 11 5 6 9 7 9 5 6 11 8 3 5 12 10 10 14 8 4
+6 +2 +5 +0 +2 +3 +1 +8 +5 +6 +4 +3 +4 +5 +0 +0 +5 +2

6 6 9 4 9 16 11 4 12 5 19 7 13 4 15 4 8 16 13
+8 +4 +3 +6 +3 +2 +4 +5 +6 +3 +0 +0 +4 +1 +3 +2 +2 +1

12 9 13 6 5 19 5 15 5 8 12 5 4 18 5 10 14 7 13 1
+7 +4 +5 +5 +8 +1 +7 +2 +5 +7 +0 +3 +8 +0 +6 +2 +1 +0 +8

4 19 6 7 9 16 10 8 3 16 4 14 7 5 20 2 13 5 17 6
+6 +3 +3 +4 +4 +0 +8 +9 +3 +7 +2 +2 +9 +1 +6 +7 +3 +3 +8

14 8 12 7 9 7 14 5 13 20 7 6 12 15 10 10 15 9 7 10
+6 +3 +4 +9 +5 +8 +7 +6 +0 +7 +6 +7 +1 +3 +9 +3 +1 +6 +3 +8

9 12 17 3 14 4 17 9 6 7 9 8 12 15 8 9 13 10 15 6
+6 +1 +0 +8 +4 +9 +1 +5 +7 +2 +9 +9 +2 +2 +4 +3 +2 +3 +5 +9

3 9 8 14 10 18 7 12 6 15 8 4 9 3 13 12 4 7 4 12
+6 +7 +8 +5 +10 +1 +7 +3 +6 +4 +2 +7 +2 +5 +3 +3 +2 +4 +8 +7

Column addition 2 addends, 3 + digits. No carrying.

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 347 | 426 | 507 | 631 | 472 |
| +151 | +132 | +180 | +134 | +216 |
| 523 | 703 | 506 | 643 | 739 |
| +152 | +172 | +173 | +256 | +120 |
| 825 | 387 | 654 | 705 | 425 |
| +153 | +302 | +213 | +153 | +163 |
| 704 | 425 | 372 | 462 | 382 |
| +172 | +133 | +115 | +137 | +507 |
| 257 | 506 | 393 | 424 | 384 |
| 300 | +172 | +106 | +555 | +215 |

| NAME | DATE | CLASS | TIME | COUNT |
|--------------|--------------|--------------|---------------|---------------|
| 756 +103 | 821 +173 | 523 +354 | 467 +122 | 725 +132 |
| 643 +256 | 372 +417 | 465 +324 | 721 +136 | 372 +506 |
| 191 | | | | |
| 543 345 | 673 +325 | 539 +350 | 635 +264 | 445 +352 |
| 4371 +306 | 5231 +535 | 4327 +351 | 4263 +503 | 5214 +135 |
| | | | | 4786 +114 |
| 3254 +302 | 2572 +301 | 4705 +260 | 3857 +4031 | 6394 +2604 |
| | | | | 3726 +2152 |

| NAME | DATE | CLASS | TIME | COUNT |
|---------------|---------------|---------------|---------------|---------------|
| 5063 +1223 | 3427 +3342 | 6057 +1512 | 3724 +1034 | 5632 +2356 |
| 7426 +171 | 3325 +1052 | 4678 +1221 | 5062 +3717 | 4738 +2161 |
| 6437 +1021 | 7538 +251 | 4046 +1702 | 3333 +1234 | 5034 +4035 |
| 5036 +1702 | 4444 +1234 | 5353 +1234 | 3344 +602 | 7171 +1823 |
| 6662 +2316 | 7189 +1610 | 3452 +3333 | 5714 +1262 | 3825 +172 |

| NAME | DATE | CLASS | TIME | COUNT |
|--------|-------|--------|-------|-------|
| 246 | 4061 | 821 | 5213 | 580 |
| +121 | +218 | +171 | +1432 | +102 |
| | | | | 6234 |
| | | | | +1052 |
| 5214 | 426 | 5325 | 687 | 534 |
| +1673 | +131 | +1432 | +112 | +123 |
| | | | | 605 |
| | | | | +123 |
| 193 | | | | |
| 5143 | 4231 | 634 | 708 | 6362 |
| +2631 | +3457 | +165 | +181 | +1434 |
| | | | | 317 |
| | | | | +421 |
| 741 | 8083 | 63425 | 307 | 653 |
| +182 | +1905 | +15302 | +172 | +146 |
| | | | | 714 |
| | | | | +164 |
| 47621 | 50638 | 424 | 385 | 634 |
| +12337 | +1231 | +532 | +124 | +107 |
| | | | | 835 |
| | | | | +162 |

| NAME | DATE | CLASS | TIME | COUNT |
|---------|--------|---------|---------|---------|
| 253840 | 3468 | 523 | 38257 | 4063 |
| +12037 | +1221 | +154 | +10731 | +325 |
| | | | | 24731 |
| | | | | +10252 |
| 363 | 43257 | 46352 | 10734 | 382 |
| +125 | +15321 | +30524 | +7125 | +517 |
| | | | | 253640 |
| | | | | +103257 |
| 255 | 307 | 406724 | 34567 | 445 |
| +143 | +471 | +172070 | +32332 | +323 |
| | | | | 706382 |
| | | | | +172417 |
| 34506 | 5634 | 55276 | 46930 | 3854 |
| +25273 | +1233 | +12512 | +2037 | +3043 |
| | | | | 7621 |
| | | | | +138 |
| 436721 | 4628 | 392 | 534728 | 56432 |
| +551235 | +173 | +606 | +354271 | +444 |
| | | | | 358 |
| | | | | +530 |

Finding missing addends. 3 single digits. Sums thru 20.

NAME DATE CLASS TIME COUNT

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 6 | 1 | 1 | 5 | 4 | 3 |
| 2 | | 1 | | 1 | | 2 | 0 | 2 |
| | 1 | | 1 | | 4 | | | |
| | 5 | 4 | 7 | 5 | 7 | 7 | 5 | 8 |
| 2 | 3 | 4 | 1 | 3 | 2 | 1 | 2 | 1 |
| 2 | | | 3 | | 4 | | | |
| | 2 | 2 | 2 | 1 | 3 | | 0 | 1 |
| | 6 | 8 | 7 | 8 | 6 | 5 | 5 | 6 |
| 5 | 0 | | 4 | 2 | 1 | 2 | | |
| 2 | | 1 | 4 | | 0 | 1 | 2 | |
| 0 | 2 | 3 | 5 | 0 | 2 | | 1 | |
| 8 | 8 | 8 | 7 | 8 | 7 | 5 | 4 | 8 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | |
|----|----|----|----|----|----|----|
| 3 | 5 | 3 | 1 | | | 6 |
| | 1 | | 2 | 1 | 1 | 6 |
| 4 | 4 | 2 | 1 | 7 | 2 | 4 |
| 9 | 9 | 9 | 9 | 9 | 10 | 10 |
| | 4 | 1 | 1 | 8 | 2 | 5 |
| 4 | | 2 | 2 | | 1 | 3 |
| 2 | 3 | 5 | | 1 | 3 | 4 |
| 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| 5 | 4 | | | 9 | 1 | |
| 2 | | 2 | 2 | 2 | 1 | 4 |
| | 6 | 2 | 1 | 2 | 8 | 6 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 |

NAME

DATE

CLASS

TIME

COUNT

| | | | | | |
|---|---|---|---|---|---|
| 1 | 8 | 4 | 1 | 2 | 4 |
|---|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| 3 | 1 | 4 | 3 | 2 |
|---|---|---|---|---|

| | | | | | |
|----|----|----|----|----|----|
| 9 | 7 | 5 | 4 | 9 | 7 |
| 12 | 12 | 12 | 12 | 12 | 12 |

| | | | |
|---|---|---|---|
| 5 | 2 | 3 | 3 |
|---|---|---|---|

198

| | | | | | |
|---|---|---|---|---|---|
| 0 | 2 | 6 | 2 | 3 | 5 |
|---|---|---|---|---|---|

| | | | | | | |
|----|----|----|----|----|----|----|
| 8 | 5 | 3 | 1 | 7 | 3 | 1 |
| 12 | 12 | 12 | 13 | 13 | 13 | 13 |

| | | | | | |
|---|---|---|---|---|---|
| 3 | 3 | 4 | 5 | 5 | 5 |
|---|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| 2 | 4 | 5 | 2 | 1 |
|---|---|---|---|---|

| | | | | | |
|----|----|----|----|----|----|
| 3 | 8 | 9 | 8 | 3 | 7 |
| 13 | 13 | 13 | 14 | 14 | 14 |

NAME

DATE

CLASS

TIME

COUNT

| | | | | | |
|----|----|----|----|----|----|
| 3 | 5 | 6 | 4 | | 5 |
| | 2 | 6 | 4 | 3 | 2 |
| 9 | 1 | | | 7 | 1 |
| 15 | 15 | 3 | 8 | 15 | 7 |
| | | 15 | 15 | 15 | 15 |
| | | | | | 2 |
| | | | | | 15 |
| | | | | | 15 |

| | | | | | |
|----|----|----|----|----|----|
| 5 | 5 | 6 | 6 | 4 | |
| | 6 | | 4 | 3 | 5 |
| | | | | 7 | 5 |
| 3 | 1 | 2 | 8 | 6 | 6 |
| 15 | 15 | 15 | 16 | 16 | 16 |
| | | | | | 3 |
| | | | | | 16 |
| | | | | | 16 |

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| | | | | | |
|----|----|----|----|----|----|
| 5 | 4 | 7 | 7 | 5 | 5 |
| | 8 | 7 | 8 | | 8 |
| | 5 | | | | |
| 2 | 3 | 2 | 1 | 2 | 6 |
| 16 | 16 | 16 | 16 | 16 | 16 |
| | | | | | 6 |
| | | | | | 16 |
| | | | | | 16 |

| NAME | CLASS | DATE | TIME | COUNT |
|------|-------|------|------|-------|
| 3 | 5 | 5 | 6 | 7 |
| 4 | 5 | 8 | 1 | 2 |
| 6 | 8 | 6 | 3 | 9 |
| 17 | 17 | 17 | 17 | 17 |
| 5 | 5 | 3 | 8 | 7 |
| 3 | 5 | 2 | 6 | 7 |
| 9 | 8 | 7 | 6 | 6 |
| 18 | 18 | 18 | 18 | 18 |
| 9 | 9 | 5 | 4 | 6 |
| 1 | 7 | 5 | 5 | 3 |
| 8 | 3 | 8 | 8 | 4 |
| 18 | 18 | 18 | 18 | 18 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 5 | 5 | 6 | 9 | | 6 | 7 | 7 |
| 5 | | 4 | 2 | 2 | | 7 | 6 |
| | 8 | | | 9 | 9 | 8 | 8 |
| <u>19</u> | <u>19</u> | <u>19</u> | <u>19</u> | <u>19</u> | <u>19</u> | <u>19</u> | <u>19</u> |

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 8 | 9 | 9 | 9 | 6 | 8 | 8 | 6 |
| 2 | | 2 | 9 | | 8 | | 6 |
| | 1 | 8 | | 8 | 7 | 5 | 7 |
| <u>19</u> | <u>19</u> | <u>19</u> | <u>20</u> | <u>20</u> | <u>20</u> | <u>20</u> | <u>20</u> |

201

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 7 | 7 | 3 | 7 | 2 | 9 | 8 | 5 |
| 6 | 4 | | 7 | 9 | | | 7 |
| | | 9 | | 9 | 6 | 6 | 5 |
| <u>20</u> | <u>20</u> | <u>20</u> | <u>20</u> | <u>20</u> | <u>20</u> | <u>20</u> | <u>20</u> |

Adding carrying to 10's using 2 digit numerals, 2 or more addends. To 200.

$$\begin{array}{r} 32 \\ + 48 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ + 11 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ + 18 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ + 10 \\ \hline \end{array} \quad \begin{array}{r} 48 \\ + 17 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ + 24 \\ \hline \end{array} \quad \begin{array}{r} 81 \\ + 19 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ + 17 \\ \hline \end{array}$$

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$$\begin{array}{r} 47 \\ + 39 \\ \hline \end{array} \quad \begin{array}{r} 76 \\ + 16 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ + 89 \\ \hline \end{array} \quad \begin{array}{r} 37 \\ + 14 \\ \hline \end{array} \quad \begin{array}{r} 29 \\ + 47 \\ \hline \end{array} \quad \begin{array}{r} 83 \\ + 47 \\ \hline \end{array} \quad \begin{array}{r} 93 \\ + 85 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ + 83 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 78 \\ \hline \end{array} \quad \begin{array}{r} 65 \\ + 47 \\ \hline \end{array} \quad \begin{array}{r} 93 \\ + 69 \\ \hline \end{array} \quad \begin{array}{r} 78 \\ + 73 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ + 63 \\ \hline \end{array} \quad \begin{array}{r} 92 \\ + 88 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ + 69 \\ \hline \end{array} \quad \begin{array}{r} 91 \\ + 89 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 63 \\ \hline \end{array} \quad \begin{array}{r} 89 \\ + 91 \\ \hline \end{array} \quad \begin{array}{r} 65 \\ + 66 \\ \hline \end{array} \quad \begin{array}{r} 75 \\ + 67 \\ \hline \end{array} \quad \begin{array}{r} 81 \\ + 79 \\ \hline \end{array} \quad \begin{array}{r} 65 \\ + 79 \\ \hline \end{array} \quad \begin{array}{r} 99 \\ + 99 \\ \hline \end{array} \quad \begin{array}{r} 78 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 93 \\ \hline \end{array} \quad \begin{array}{r} 93 \\ + 97 \\ \hline \end{array} \quad \begin{array}{r} 81 \\ + 99 \\ \hline \end{array} \quad \begin{array}{r} 29 \\ + 39 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ + 97 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ + 49 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ + 97 \\ \hline \end{array} \quad \begin{array}{r} 88 \\ + 62 \\ \hline \end{array}$$

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 98 | 43 | 27 | 79 | 37 | 93 | 23 | 91 | 73 |
| +79 | +28 | +79 | +69 | +48 | +67 | +78 | +69 | +69 |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 49 | 65 | 93 | 99 | 77 | 49 | 75 | 44 | 73 |
| +73 | +67 | +87 | +27 | +67 | +47 | +76 | +66 | +91 |

204

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82 | 93 | 98 | 76 | 83 | 86 | 97 | 92 | 65 |
| +68 | +87 | +99 | +69 | +87 | +67 | +67 | +68 | +77 |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 64 | 73 | 57 | 69 | 37 | 85 | 57 | 49 | 27 |
| +97 | +69 | +93 | +67 | +49 | +67 | +69 | +36 | +29 |

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 16 | 75 | 76 | 19 | 67 | 73 | 63 | 57 | 37 |
| +84 | +69 | +97 | +27 | +97 | +88 | +69 | +64 | +36 |

NAME DATE CLASS TIME COUNT

$$\begin{array}{r} 54 \\ +67 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ +49 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ +79 \\ \hline \end{array} \quad \begin{array}{r} 77 \\ +78 \\ \hline \end{array} \quad \begin{array}{r} 82 \\ +88 \\ \hline \end{array} \quad \begin{array}{r} 93 \\ +68 \\ \hline \end{array} \quad \begin{array}{r} 71 \\ +99 \\ \hline \end{array} \quad \begin{array}{r} 24 \\ +69 \\ \hline \end{array} \quad \begin{array}{r} 43 \\ +29 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +37 \\ \hline \end{array} \quad \begin{array}{r} 69 \\ +34 \\ \hline \end{array} \quad \begin{array}{r} 71 \\ +69 \\ \hline \end{array} \quad \begin{array}{r} 83 \\ +69 \\ \hline \end{array} \quad \begin{array}{r} 59 \\ +49 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ +69 \\ \hline \end{array} \quad \begin{array}{r} 33 \\ +79 \\ \hline \end{array} \quad \begin{array}{r} 65 \\ +86 \\ \hline \end{array} \quad \begin{array}{r} 71 \\ +49 \\ \hline \end{array}$$

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$$\begin{array}{r} 94 \\ +69 \\ \hline \end{array} \quad \begin{array}{r} 72 \\ +78 \\ \hline \end{array} \quad \begin{array}{r} 81 \\ +79 \\ \hline \end{array} \quad \begin{array}{r} 69 \\ +79 \\ \hline \end{array} \quad \begin{array}{r} 65 \\ +76 \\ \hline \end{array} \quad \begin{array}{r} 47 \\ +78 \\ \hline \end{array} \quad \begin{array}{r} 28 \\ +27 \\ \hline \end{array} \quad \begin{array}{r} 88 \\ +86 \\ \hline \end{array} \quad \begin{array}{r} 73 \\ +69 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ +79 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ +36 \\ \hline \end{array} \quad \begin{array}{r} 97 \\ +67 \\ \hline \end{array} \quad \begin{array}{r} 44 \\ +49 \\ \hline \end{array} \quad \begin{array}{r} 99 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 69 \\ +73 \\ \hline \end{array} \quad \begin{array}{r} 83 \\ +79 \\ \hline \end{array} \quad \begin{array}{r} 97 \\ +66 \\ \hline \end{array} \quad \begin{array}{r} 98 \\ +66 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ +99 \\ \hline \end{array} \quad \begin{array}{r} 74 \\ +76 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ +73 \\ \hline \end{array} \quad \begin{array}{r} 45 \\ +76 \\ \hline \end{array} \quad \begin{array}{r} 88 \\ +73 \\ \hline \end{array} \quad \begin{array}{r} 99 \\ +14 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ +17 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ +89 \\ \hline \end{array} \quad \begin{array}{r} 37 \\ +39 \\ \hline \end{array}$$

NAME DATE CLASS TIME COUNT

$$\begin{array}{r} 98 \\ + 47 \\ \hline 69 \\ + 27 \\ \hline 32 \\ + 85 \\ \hline 73 \\ + 69 \\ \hline 47 \\ + 39 \\ \hline 37 \\ + 43 \\ \hline 59 \\ + 57 \\ \hline 88 \\ + 83 \\ \hline 93 \\ + 79 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 39 \\ \hline 92 \\ + 99 \\ \hline 79 \\ + 73 \\ \hline 49 \\ + 88 \\ \hline 64 \\ + 78 \\ \hline 93 \\ + 79 \\ \hline 85 \\ + 87 \\ \hline 67 \\ + 79 \\ \hline 94 \\ + 97 \\ \hline \end{array}$$

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$$\begin{array}{r} 79 \\ + 83 \\ \hline 69 \\ + 64 \\ \hline 59 \\ + 97 \\ \hline 48 \\ + 37 \\ \hline 67 \\ + 78 \\ \hline 29 \\ + 73 \\ \hline 42 \\ + 79 \\ \hline 19 \\ + 83 \\ \hline 29 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ + 97 \\ \hline 63 \\ + 79 \\ \hline 76 \\ + 87 \\ \hline 39 \\ + 47 \\ \hline 49 \\ + 83 \\ \hline 97 \\ + 49 \\ \hline 99 \\ + 77 \\ \hline 67 \\ + 59 \\ \hline 47 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 78 \\ \hline 94 \\ + 88 \\ \hline 73 \\ + 19 \\ \hline 67 \\ + 73 \\ \hline 87 \\ + 86 \\ \hline 69 \\ + 73 \\ \hline 56 \\ + 79 \\ \hline 47 \\ + 67 \\ \hline 49 \\ + 43 \\ \hline \end{array}$$

NAME DATE CLASS TIME COUNT

49 67 34 78 16 38 59 48
+73 +97 +69 +83 +49 +17 +97 +37

27 94 47 68 78 88 99 84
+38 +99 +58 +79 +98 +79 +83 +69

207 39 69 79 49 59 97 27
+47 +56 +79 +58 +79 +64 +79 +37

47 59 74 85 73 95 38 49
+89 +78 +98 +69 +47 +97 +79 +26

57 64 82 97 76 99 49 77
+23 +76 +79 +86 +76 +23 +37 +92

Adding carrying to 10's using 3 digit numeraals, 2 or more addends. To 200.

NAME DATE CLASS TIME COUNT

$$\begin{array}{r}
 124 \\
 +236 \\
 \hline
 360
 \end{array}
 \qquad
 \begin{array}{r}
 235 \\
 +127 \\
 \hline
 362
 \end{array}
 \qquad
 \begin{array}{r}
 346 \\
 +124 \\
 \hline
 470
 \end{array}
 \qquad
 \begin{array}{r}
 337 \\
 +445 \\
 \hline
 782
 \end{array}
 \qquad
 \begin{array}{r}
 248 \\
 +132 \\
 \hline
 380
 \end{array}
 \qquad
 \begin{array}{r}
 139 \\
 +143 \\
 \hline
 282
 \end{array}
 \qquad
 \begin{array}{r}
 353 \\
 +427 \\
 \hline
 780
 \end{array}$$

209

$$\begin{array}{r}
 327 \\
 +356 \\
 \hline
 683
 \end{array}
 \qquad
 \begin{array}{r}
 456 \\
 +214 \\
 \hline
 670
 \end{array}
 \qquad
 \begin{array}{r}
 328 \\
 +413 \\
 \hline
 741
 \end{array}
 \qquad
 \begin{array}{r}
 267 \\
 +214 \\
 \hline
 481
 \end{array}
 \qquad
 \begin{array}{r}
 465 \\
 +226 \\
 \hline
 691
 \end{array}
 \qquad
 \begin{array}{r}
 162 \\
 +529 \\
 \hline
 691
 \end{array}
 \qquad
 \begin{array}{r}
 721 \\
 +219 \\
 \hline
 940
 \end{array}$$

$$\begin{array}{r}
 657 \\
 +225 \\
 \hline
 882
 \end{array}
 \qquad
 \begin{array}{r}
 846 \\
 +137 \\
 \hline
 983
 \end{array}
 \qquad
 \begin{array}{r}
 755 \\
 +436 \\
 \hline
 1191
 \end{array}
 \qquad
 \begin{array}{r}
 588 \\
 +306 \\
 \hline
 894
 \end{array}
 \qquad
 \begin{array}{r}
 884 \\
 +106 \\
 \hline
 990
 \end{array}
 \qquad
 \begin{array}{r}
 864 \\
 +128 \\
 \hline
 992
 \end{array}
 \qquad
 \begin{array}{r}
 428 \\
 +348 \\
 \hline
 776
 \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|-------------|-------------|-------------|-------------|-------------|
| 357 +234 | 674 +319 | 622 +269 | 427 +344 | 716 +218 |
| | | | | 738 +233 |
| | | | | 378 +203 |
| 425 +266 | 725 +147 | 711 +170 | 461 +329 | 613 +127 |
| | | | | 474 +319 |
| | | | | 673 +218 |
| 384 +206 | 469 +213 | 543 +127 | 472 +219 | 435 +215 |
| | | | | 147 +216 |
| | | | | 318 +325 |

NAME DATE CLASS TIME COUNT

$$\begin{array}{r} 246 \\ +137 \\ \hline \end{array}$$

$$\begin{array}{r} 384 \\ +606 \\ \hline \end{array}$$

$$\begin{array}{r} 469 \\ +327 \\ \hline \end{array}$$

$$\begin{array}{r} 472 \\ +218 \\ \hline \end{array}$$

$$\begin{array}{r} 668 \\ +312 \\ \hline \end{array}$$

$$\begin{array}{r} 468 \\ +413 \\ \hline \end{array}$$

$$\begin{array}{r} 528 \\ +236 \\ \hline \end{array}$$

211

$$\begin{array}{r} 824 \\ +119 \\ \hline \end{array}$$

$$\begin{array}{r} 764 \\ +218 \\ \hline \end{array}$$

$$\begin{array}{r} 739 \\ +121 \\ \hline \end{array}$$

$$\begin{array}{r} 543 \\ +418 \\ \hline \end{array}$$

$$\begin{array}{r} 834 \\ +127 \\ \hline \end{array}$$

$$\begin{array}{r} 382 \\ +129 \\ \hline \end{array}$$

$$\begin{array}{r} 537 \\ +327 \\ \hline \end{array}$$

$$\begin{array}{r} 367 \\ +129 \\ \hline \end{array}$$

$$\begin{array}{r} 376 \\ +109 \\ \hline \end{array}$$

$$\begin{array}{r} 561 \\ +329 \\ \hline \end{array}$$

$$\begin{array}{r} 547 \\ +213 \\ \hline \end{array}$$

$$\begin{array}{r} 736 \\ +218 \\ \hline \end{array}$$

$$\begin{array}{r} 537 \\ +213 \\ \hline \end{array}$$

$$\begin{array}{r} 439 \\ +521 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|-------------|-------------|-------------|-------------|-------------|
| 721 +349 | 443 +247 | 855 +427 | 621 +239 | 683 +309 |
| | | | | 746 +215 |
| | | | | 225 +648 |
| 768 +214 | 374 +319 | 426 +318 | 347 +519 | 629 +341 |
| | | | | 846 +129 |
| | | | | 538 +417 |
| 756 +134 | 328 +465 | 484 +307 | 674 +219 | 347 +519 |
| | | | | 674 +208 |
| | | | | 447 +327 |

NAME DATE CLASS TIME COUNT

207 372 756 547 344 364 827
+653 +409 +218 +316 +318 +619 +119

213

734 686 349 465 781 527 764
+127 +309 +513 +419 +109 +358 +229

138 916 354 289 751 632 765
+319 +264 +529 +601 +239 +219 +418

Adding, carrying to 10's/100's using 3 digit numerals, 2 or more addends.
To 2000.

215

| NA ME | DATE | CLASS | TIME | COUNT | |
|-------|------|-------|------|-------|------|
| 563 | 734 | 689 | | 678 | 754 |
| +757 | +966 | +132 | | +597 | +457 |
| 887 | 396 | 947 | | 173 | 956 |
| +456 | +548 | +186 | | +677 | +748 |
| 429 | 856 | 117 | | 150 | 120 |
| +475 | +766 | 593 | | 168 | 757 |
| | | +187 | | +534 | +928 |
| 296 | 580 | 728 | | 587 | 245 |
| 479 | 439 | 864 | | 429 | 389 |
| 309 | 196 | 193 | | 863 | 189 |

217

Finding sums, column addition. Using 3 or more addends of 1 digit. To 50.

| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 3984 1812 | 6578 1416 | 2659 1519 | 5943 1911 | 4397 1312 | 2588 1217 | 8469 1212 | 2999 1883 | 7887 1647 | 6876 1461 |
| 2857 1543 | 9796 1336 | 9432 1131 | 2558 1221 | 3865 1731 | 8784 2412 | 3829 3718 | 8878 8516 | 9968 2914 | 2859 1319 |
| 3797 2413 | 3994 1511 | 9825 5612 | 2938 1617 | 3887 1724 | 5538 1237 | 9788 1185 | 4399 1329 | 2828 1513 | 3985 1934 |
| 7739 1615 | 2998 1856 | 3884 1712 | 5529 1218 | 9778 1116 | 4368 1314 | 2859 1519 | 3928 1915 | 6828 1915 | 6897 1413 |
| 6743 3213 | 8878 4317 | 3926 2613 | 4835 1431 | 7957 5412 | 9782 6130 | 8561 1401 | 9993 8762 | 3421 1211 | 5938 3512 |
| 99786 45341 | 58434 41312 | 73538 51323 | 26858 12341 | 27857 13141 | 94939 62713 | 56169 14156 | 38352 14140 | 5923 1922 | 18528 17417 |
| 61948 10310 | 27957 10532 | 48353 15141 | 53926 31412 | 88786 14513 | 74335 62131 | 21693 11010 | 89561 43140 | 94937 52612 | 85785 30412 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 4 | 7 | 5 | 8 | 6 | 8 | 2 | 7 | 8 | 4 | 9 | 7 | 3 | 4 | 6 | 4 | 5 | 0 | 7 |
| 6 | 2 | 9 | 6 | 5 | 7 | 3 | 9 | 0 | 3 | 8 | 1 | 4 | 5 | 8 | 3 | 7 | 3 | 4 | 6 |
| 9 | 1 | 8 | 4 | 7 | 9 | 0 | 5 | 9 | 6 | 7 | 8 | 3 | 7 | 0 | 8 | 6 | 2 | 9 | 8 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 0 | 5 | 8 | 9 | 5 | 8 | 4 | 2 | 6 | 7 | 8 | 3 | 0 | 4 | 6 | 8 | 4 | 5 | 9 |
| 0 | 8 | 1 | 2 | 4 | 1 | 0 | 3 | 9 | 7 | 3 | 4 | 9 | 8 | 7 | 4 | 7 | 3 | 9 | 9 |
| 6 | 9 | 6 | 5 | 3 | 8 | 8 | 7 | 8 | 9 | 0 | 7 | 2 | 7 | 9 | 2 | 5 | 9 | 5 | 6 |

| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 8725 4310 | 9652 4310 | 6437 2412 | 6131 3100 | 6216 3014 | 4962 1340 | 3735 1504 | 5846 1432 | 2013 1012 | 5932 4312 |
| 3810 1410 | 2268 1034 | 3624 1402 | 8643 4312 | 3531 1220 | 9431 6130 | 5736 4314 | 4846 2613 | 5635 2432 | 2162 1041 |
| 7243 5121 | 7162 4142 | 6346 3124 | 2314 1210 | 6512 5410 | 2568 1040 | 6635 3305 | 3456 1301 | 5546 1231 | 4765 1231 |
| 70353 50342 | 46524 23312 | 54622 13101 | 26431 15130 | 85921 21300 | 27891 23431 | 27821 13420 | 46453 16012 | 75634 51431 | 41523 41301 |
| 44861 33440 | 46789 32613 | 97321 43120 | 74677 12311 | 67821 36421 | 47352 12312 | 84361 41050 | 33826 12312 | 68471 33141 | 78271 34161 |
| 97621 13410 | 95346 64123 | 31765 10354 | 53813 12412 | 45914 13613 | 97643 34321 | 40625 30621 | 69566 34445 | 82341 80231 | 32691 31401 |
| 51381 41270 | 82640 40330 | 94123 81113 | 54321 41301 | 52761 31541 | 81432 61312 | 43921 32811 | 82654 71321 | 93762 81321 | 30123 20021 |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 4 | 7 | 8 | 5 | 3 | 4 | 6 | 3 | 8 | 4 | 2 | 0 | 3 | 9 | 6 | 2 | 8 | 4 | 0 |
| 9 | 3 | 6 | 2 | 4 | 9 | 2 | 8 | 6 | 7 | 3 | 5 | 6 | 8 | 1 | 5 | 6 | 4 | 9 | 8 |
| 0 | 2 | 5 | 9 | 3 | 5 | 8 | 4 | 9 | 6 | 8 | 7 | 9 | 7 | 8 | 9 | 7 | 3 | 6 | 9 |
| 5 | 7 | 1 | 0 | 7 | 6 | 9 | 1 | 4 | 2 | 9 | 4 | 2 | 4 | 3 | 3 | 1 | 5 | 2 | 0 |

220

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 4 | 5 | 9 | 5 | 3 | 6 | 7 | 8 | 9 | 7 | 2 | 6 | 5 | 3 | 7 | 9 | 4 | 6 | 0 |
| 3 | 9 | 3 | 6 | 9 | 8 | 6 | 9 | 4 | 8 | 9 | 8 | 9 | 7 | 8 | 6 | 0 | 3 | 9 | 7 |
| 8 | 0 | 7 | 4 | 0 | 7 | 6 | 3 | 0 | 9 | 3 | 6 | 2 | 0 | 6 | 4 | 8 | 7 | 3 | 4 |
| 4 | 6 | 2 | 8 | 8 | 6 | 6 | 2 | 9 | 3 | 8 | 5 | 7 | 9 | 7 | 3 | 6 | 2 | 8 | 2 |

Subtraction - borrowing 10's place 2 digits.

| NAME | DATE | CLASS | TIME | COUNT |
|------|-------|-------|------|--------|
| 5 | 038 | | 98 | 90 |
| 8 | 28042 | 8 | 06 | 93064 |
| 9 | 39027 | 9 | 76 | 183339 |
| 6 | 70796 | 9 | 59 | 878976 |
| 4 | 94101 | 9 | 21 | 36424 |

221

| | | | | | |
|---|------------|----------------|---------------|----|---|
| 8 | 7463 | 643 | 79 | 6 | 0 |
| 8 | 93712 | 378265 | 0340 | 46 | |
| 3 | 96926 | 762908 | 4831 | 87 | |
| 8 | 62009 | 29479 | 3217 | 94 | |
| 4 | 10+6+8+4+3 | 17+9+0+4+6+1+3 | 4+6+9+0+9+2+3 | | |

NAME DATE CLASS TIME COUNT

| | | | | | | | | |
|-----|-----|-----|-----|-----|-----|----|-----|-----|
| 50 | 27 | 34 | 25 | 47 | 38 | 19 | 37 | 25 |
| -39 | -18 | -19 | -17 | -19 | -29 | -7 | -29 | -19 |

| | | | | | | | | |
|-----|----|----|-----|-----|-----|-----|-----|----|
| 43 | 13 | 33 | 44 | 22 | 37 | 41 | 43 | 17 |
| -29 | -8 | -9 | -27 | -17 | -19 | -29 | -19 | -9 |

235

| | | | | | | | | |
|-----|----|-----|-----|-----|-----|-----|-----|----|
| 23 | 40 | 43 | 34 | 50 | 37 | 48 | 35 | 27 |
| -17 | -9 | -37 | -27 | -28 | -18 | -29 | -29 | -9 |

| | | | | | | | | |
|-----|----|-----|----|-----|----|-----|-----|-----|
| 34 | 18 | 23 | 45 | 47 | 32 | 22 | 46 | 25 |
| -29 | -9 | -19 | -9 | -29 | -8 | -17 | -29 | -19 |

| | | | | | | | | |
|-----|----|----|-----|-----|-----|----|----|-----|
| 27 | 17 | 25 | 47 | 36 | 43 | 28 | 17 | 43 |
| -29 | -9 | -9 | -39 | -19 | -27 | -9 | -9 | -16 |

Subtracting problems - sums to 18.

| NAME | CLASS | DATE | TIME | COUNT | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 63 <u>-59</u> | 43 <u>-16</u> | 78 <u>-69</u> | 33 <u>-19</u> | 58 <u>-39</u> | 97 <u>-49</u> | 83 <u>-28</u> | 57 <u>-19</u> | 22 <u>-17</u> |
| 72 <u>-69</u> | 56 <u>-18</u> | 92 <u>-69</u> | 71 <u>-59</u> | 88 <u>-39</u> | 47 <u>-28</u> | 60 <u>-47</u> | 43 <u>-17</u> | 16 <u>-9</u> |
| 22 <u>-16</u> | 37 <u>-19</u> | 91 <u>-78</u> | 47 <u>-28</u> | 68 <u>-49</u> | 73 <u>-57</u> | 40 <u>-19</u> | 86 <u>-59</u> | 57 <u>-49</u> |
| 32 <u>-18</u> | 43 <u>-29</u> | 57 <u>-39</u> | 87 <u>-69</u> | 92 <u>-65</u> | 57 <u>-47</u> | 68 <u>-59</u> | 27 <u>-19</u> | 78 <u>-49</u> |
| 97 <u>-49</u> | 87 <u>-58</u> | 93 <u>-47</u> | 67 <u>-59</u> | 48 <u>-29</u> | 29 <u>-8</u> | 54 <u>-27</u> | 68 <u>-39</u> | 64 <u>-49</u> |

NAME DATE CLASS TIME COUNT

$$\begin{array}{r} 11 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -14 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -5 \\ \hline \end{array}$$

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$$\begin{array}{r} 13 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -14 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -14 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -17 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -16 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -2 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|-----------|-----------|-----------|-----------|-----------|
| 43 -19 | 87 -48 | 68 -29 | 77 -59 | 96 -39 |
| | | | | 53 -16 |
| | | | | 28 -9 |
| | | | | 36 -19 |
| 83 -69 | 72 -56 | 47 -39 | 91 -78 | 62 -37 |
| | | | | 49 -37 |
| | | | | 53 -29 |
| | | | | 91 72 |
| 67 -49 | 56 -39 | 97 -59 | 18 -9 | 43 -27 |
| | | | | 32 -19 |
| | | | | 31 -14 |
| | | | | 41 -25 |
| 98 -59 | 47 -29 | 62 -25 | 57 -39 | 84 -27 |
| | | | | 72 -57 |
| | | | | 67 -59 |
| | | | | 73 49 |
| 83 -56 | 23 -9 | 37 -18 | 87 -29 | 93 -47 |
| | | | | 86 -47 |
| | | | | 47 -29 |
| | | | | 62 -37 |

NAME DATE CLASS TIME COUNT

$$\begin{array}{r} 17 \\ -7 \\ \hline 11 \\ -11 \\ \hline 17 \\ -14 \\ \hline 15 \\ -1 \\ \hline 13 \\ -0 \\ \hline 15 \\ -1 \\ \hline 12 \\ -2 \\ \hline 13 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -10 \\ \hline 12 \\ -0 \\ \hline 17 \\ -15 \\ \hline 14 \\ -13 \\ \hline 12 \\ -11 \\ \hline 16 \\ -0 \\ \hline 13 \\ -12 \\ \hline 13 \\ -3 \\ \hline 11 \\ -0 \\ \hline \end{array}$$

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$$\begin{array}{r} 17 \\ -11 \\ \hline 13 \\ -1 \\ \hline 17 \\ -16 \\ \hline 15 \\ -2 \\ \hline 14 \\ -0 \\ \hline 14 \\ -1 \\ \hline 14 \\ -12 \\ \hline 14 \\ -2 \\ \hline 15 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -12 \\ \hline 14 \\ -14 \\ \hline 14 \\ -3 \\ \hline 15 \\ -0 \\ \hline 15 \\ -5 \\ \hline 16 \\ -1 \\ \hline 16 \\ -2 \\ \hline 12 \\ -12 \\ \hline 15 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -13 \\ \hline 13 \\ -11 \\ \hline 12 \\ -1 \\ \hline 11 \\ -1 \\ \hline 16 \\ -16 \\ \hline 15 \\ -3 \\ \hline 17 \\ -5 \\ \hline 15 \\ -13 \\ \hline 16 \\ -4 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|-----------|-----------|-----------|-----------|-----------|
| 86 -37 | 43 -19 | 47 -29 | 68 -59 | 53 -27 |
| | | | 31 -19 | 64 -39 |
| | | | | 57 -47 |
| | | | | 71 -16 |
| 93 -56 | 42 37 | 56 -37 | 67 -29 | 93 -47 |
| | | | 81 -29 | 27 -9 |
| | | | | 40 -19 |
| | | | | 64 -26 |
| 238 | 71 -56 | 23 -7 | 48 -19 | 96 -79 |
| | | | 78 -69 | 39 -19 |
| | | | | 47 -29 |
| | | | | 57 -18 |
| | | | | 62 -17 |
| 39 -14 | 82 -67 | 57 -39 | 49 -39 | 27 -19 |
| | | | 71 -38 | 87 -49 |
| | | | | 28 -9 |
| | | | | 60 -39 |
| 22 -15 | 97 -48 | 67 -29 | 57 -48 | 73 -39 |
| | | | 87 -19 | 47 -38 |
| | | | | 40 -19 |
| | | | | 16 -9 |

| NAME | DATE | CLASS | TIME | COUNT |
|--|--|--|--|--|
| $\begin{array}{r} 14 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 17 \\ -0 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 17 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -0 \\ \hline \end{array}$ |
| $\begin{array}{r} 14 \\ -14 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -0 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -0 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 14 \\ -14 \\ \hline \end{array}$ |
| $\begin{array}{r} 17 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -13 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -12 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ -13 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -1 \\ \hline \end{array}$ |
| $\begin{array}{r} 13 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 14 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 14 \\ -1 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ -1 \\ \hline \end{array}$ |
| $\begin{array}{r} 17 \\ -6 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -6 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -15 \\ \hline \end{array}$ | $\begin{array}{r} 17 \\ -5 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ -12 \\ \hline \end{array}$ |
| $\begin{array}{r} 14 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -14 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -11 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -2 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -4 \\ \hline \end{array}$ |
| $\begin{array}{r} 16 \\ -10 \\ \hline \end{array}$ | $\begin{array}{r} 17 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ -5 \\ \hline \end{array}$ | $\begin{array}{r} 14 \\ -12 \\ \hline \end{array}$ | $\begin{array}{r} 14 \\ -0 \\ \hline \end{array}$ |
| $\begin{array}{r} 16 \\ -11 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -13 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -4 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -3 \\ \hline \end{array}$ | $\begin{array}{r} 14 \\ -10 \\ \hline \end{array}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|-----------|-----------|-----------|-----------|-----------|
| 77 -18 | 67 -39 | 86 -49 | 37 -29 | 43 -26 |
| | | | | 57 -19 |
| | | | | 97 -69 |
| | | | | 87 -38 |
| 25 -9 | 46 -27 | 57 -31 | 34 -16 | 83 -56 |
| | | | | 47 -39 |
| | | | | 97 -29 |
| | | | | 73 -57 |
| 64 -39 | 71 -42 | 48 -29 | 86 -47 | 91 -39 |
| | | | | 57 -19 |
| | | | | 67 -38 |
| | | | | 37 -9 |
| 93 -88 | 73 -35 | 45 -16 | 67 -28 | 81 -19 |
| | | | | 92 -49 |
| | | | | 78 -39 |
| | | | | 37 -28 |
| 57 -9 | 87 -19 | 75 -59 | 34 -19 | 67 -28 |
| | | | | 98 -39 |
| | | | | 43 -14 |
| | | | | 57 -19 |

| NAME | DATE | CLASS | TIME | COUNT | | | | |
|------|------|-------|------|-------|-----|-----|-----|--|
| 15 | 17 | 18 | 17 | 18 | 16 | 17 | | |
| -15 | -0 | -7 | -12 | -11 | -6 | -5 | -16 | |
| 17 | 18 | 16 | 17 | 15 | 18 | 15 | 18 | |
| -1 | -5 | -12 | -17 | -10 | -12 | -2 | -4 | |
| 226 | 18 | 16 | 17 | 14 | 18 | 17 | 14 | |
| 16 | -13 | -14 | -5 | -12 | -6 | -14 | -11 | |
| -16 | | | | | | | | |
| 14 | 14 | 15 | 15 | 18 | 17 | 16 | 14 | |
| -0 | -2 | -11 | -5 | -16 | -10 | -0 | -10 | |
| 16 | 14 | 14 | 18 | 15 | 16 | 14 | 18 | |
| -14 | -2 | -1 | -8 | -13 | -10 | -3 | -15 | |
| 15 | 15 | 14 | 18 | 16 | 16 | 16 | 15 | |
| -2 | -1 | -1 | -8 | -13 | -10 | -3 | -15 | |
| 17 | 18 | 17 | 18 | 16 | 15 | 16 | 15 | |
| -11 | -14 | -7 | -3 | -3 | -14 | -11 | -4 | |

Subtraction, borrowing 10's or 100's - 3 digits.

NAME DATE CLASS TIME COUNT

$$\begin{array}{r} 18 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -15 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -0 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -16 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -17 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -14 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -10 \\ \hline \end{array}$$

$$227 \quad \begin{array}{r} 17 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -17 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -16 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ 7 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ 4 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ 10 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ 0 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ 15 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ 12 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ 14 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ 14 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ 10 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -16 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -18 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -15 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -11 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -14 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | |
|------|------|------|------|------|------|------|
| 556 | 961 | 642 | 873 | 274 | 123 | 734 |
| -239 | -247 | -317 | -426 | -125 | -106 | -219 |

241

| | | | | | | |
|------|------|------|------|------|------|------|
| 963 | 561 | 624 | 854 | 975 | 334 | 367 |
| -249 | -317 | -316 | -349 | -129 | -118 | -148 |

| | | | | | | |
|------|------|------|------|------|------|------|
| 734 | 543 | 372 | 334 | 250 | 367 | 537 |
| -316 | -127 | -164 | -119 | -149 | -128 | -218 |

Subtraction no borrowing - 3 or more digits.

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | |
|------|------|------|------|------|------|------|
| 754 | 642 | 874 | 264 | 534 | 894 | 214 |
| -316 | -317 | -329 | -137 | -318 | -346 | -105 |

242

| | | | | | | |
|------|------|------|------|------|------|------|
| 756 | 464 | 346 | 852 | 481 | 317 | 225 |
| -348 | -138 | -117 | -446 | -227 | -109 | -117 |

| | | | | | | |
|------|------|------|------|------|------|------|
| 926 | 428 | 462 | 620 | 910 | 774 | 827 |
| -318 | -319 | -147 | -317 | -306 | -258 | -319 |

| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 327 -106 | 465 -232 | 762 -120 | 425 -103 | 567 -124 | 362 -120 | 859 -413 | 962 -341 | 103 -102 | 324 -103 |
| 446 -234 | 761 -430 | 320 -210 | 891 -430 | 214 -104 | 396 -143 | 825 -413 | 964 -323 | 825 -403 | 762 -122 |
| 682 -410 | 825 -714 | 452 -231 | 678 -324 | 852 -410 | 914 -810 | 562 -130 | 843 -431 | 916 -802 | 845 -413 |
| 229 674 -321 | 829 -418 | 956 -414 | 852 -410 | 761 -320 | 456 -314 | 765 -415 | 406 -302 | 200 -100 | 362 -140 |
| 625 -124 | 765 -241 | 355 -124 | 614 -312 | 564 -413 | 767 -321 | 768 -324 | 998 -881 | 642 -331 | 829 -718 |
| 436 -321 | 956 -842 | 836 -416 | 256 -123 | 946 -813 | 965 -814 | 406 -302 | 865 -321 | 676 -214 | 306 -202 |
| 963 -812 | 865 -432 | 552 -431 | 865 -432 | 453 -123 | 672 -120 | 452 -310 | 225 -111 | 325 -123 | 542 -410 |

NAME DATE CLASS TIME COUNT

| | | | | | | |
|-------|------|------|------|------|------|------|
| 384 | 462 | 472 | 668 | 547 | 935 | 693 |
| -127 | -139 | -326 | -329 | -319 | -216 | -346 |
| <hr/> | | | | | | |

243

| | | | | | | |
|-------|------|------|------|------|------|------|
| 246 | 693 | 931 | 983 | 682 | 384 | 434 |
| -119 | -345 | -716 | -439 | -437 | -128 | -218 |
| <hr/> | | | | | | |

| | | | | | | |
|-------|------|------|------|------|------|------|
| 720 | 486 | 475 | 486 | 627 | 145 | 534 |
| -416 | -139 | -136 | -149 | -319 | -136 | -216 |
| <hr/> | | | | | | |

NAME

DATE

CLASS

TIME

COUNT

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 676 | 998 | 564 | 852 | 452 | 891 | 825 | 762 | 625 |
| -214 | -881 | -413 | -410 | -231 | -430 | -413 | -122 | -304 |

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 320 | 642 | 965 | 456 | 678 | 320 | 355 | 674 | 214 |
| -210 | -331 | -432 | -314 | -324 | -210 | -124 | -322 | -104 |

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 465 | 767 | 225 | 672 | 453 | 865 | 436 | 956 | 765 |
| -232 | -321 | -111 | -120 | -123 | -432 | -321 | -842 | -241 |

230

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 3682 | 2825 | 6542 | 5435 | 6785 | 8536 | 8695 | 9278 | 7895 |
| 2410 | 1720 | 3210 | 3210 | 3423 | 4315 | 4384 | 4264 | 3414 |

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 9765 | 8546 | 9732 | 8654 | 9834 | 6546 | 5462 | 8289 | 7635 |
| 4321 | 7231 | 4210 | 4321 | 3510 | 3210 | 3252 | 4043 | 4433 |

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 9765 | 8765 | 9765 | 8652 | 9852 | 8643 | 7956 | 8652 | 8954 |
| 9435 | 4312 | 3421 | 4321 | 1252 | 3232 | 5432 | 5152 | 1234 |

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 9852 | 8768 | 9988 | 9085 | 7652 | 8725 | 9787 | 4384 | 4672 |
| 4440 | 5234 | 4538 | 4045 | 3230 | 4314 | 8686 | 1231 | 1231 |

. 244

NAME DATE CLASS TIME COUNT

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|
| 4526 | 1265 | 6538 | 7043 | 2305 | 5342 | 7462 | 6456 | 1987 | 7583 |
| 1213 | 1232 | 3214 | 3013 | 1204 | 3212 | 3442 | 3233 | 1643 | 2341 |
| 5065 | 7146 | 4672 | 8583 | 5232 | 7397 | 3042 | 6102 | 3835 | 3486 |
| 2041 | 1023 | 1340 | 4172 | 1011 | 4312 | 3012 | 4102 | 1714 | 1243 |
| 8372 | 2978 | 3572 | 4035 | 7256 | 3372 | 2102 | 5142 | 7691 | 1457 |
| 4131 | 1562 | 2161 | 3014 | 1256 | 1212 | 1001 | 2102 | 3361 | 1316 |
| 231 | 8256 | 5368 | 6672 | 4176 | 5962 | 5672 | 1123 | 7834 | 3245 |
| 1341 | 1231 | 1235 | 2341 | 3054 | 4152 | 1341 | 1001 | 6214 | 1214 |
| 1230 | 5762 | 6781 | 2365 | 3638 | 4235 | 7956 | 2278 | 1867 | 8013 |
| 8646 | 2142 | 2521 | 2412 | 1412 | 3021 | 6014 | 2061 | 1532 | 2012 |
| 4215 | 5762 | 6781 | 2365 | 3638 | 4235 | 7956 | 2278 | 1867 | 8013 |
| 9543 | 2476 | 8734 | 1945 | 5823 | 2843 | 8864 | 4478 | 5784 | 3168 |
| 8232 | 2043 | 1621 | 1813 | 1421 | 2401 | 1350 | 2168 | 1443 | 2134 |
| 6942 | 3743 | 9836 | 9936 | 5642 | 9654 | 3943 | 8703 | 9993 | 4835 |
| 1630 | 1632 | 8713 | 1815 | 4231 | 1431 | 1813 | 7581 | 2781 | 3120 |

| NAME | DATE | CLASS | TIME | COUNT |
|-------|------|-------|------|-------|
| 525 | 541 | 417 | 474 | 836 |
| -317 | -126 | -208 | -137 | -229 |
| | | | | 237 |
| | | | | -128 |
| | | | | -113 |
| . 245 | | | | |
| 645 | 731 | 565 | 673 | 684 |
| -129 | -215 | -156 | -438 | -327 |
| | | | | 163 |
| | | | | -127 |
| | | | | -329 |
| 737 | 541 | 532 | 651 | 461 |
| -219 | -328 | -415 | -328 | -328 |
| | | | | 573 |
| | | | | -316 |
| | | | | -117 |
| | | | | 250 |

Subtraction borrowing 10's and 100's - 3 digits.

| NAME | DATE | CLASS | TIME | COUNT | | |
|------|------|-------|------|-------|------|------|
| 868 | 733 | 611 | 815 | 468 | 832 | 725 |
| -579 | -247 | -329 | -729 | -299 | -743 | -476 |
| 610 | 660 | 210 | 780 | 980 | 740 | 630 |
| -262 | -69 | -96 | -143 | -169 | -163 | -176 |
| 670 | 960 | 860 | 760 | 930 | 650 | 550 |
| -182 | -693 | -192 | -374 | -764 | -478 | -199 |

NAME

DATE

CLASS

TIME

COUNT

| | | | | | | |
|------|------|------|-----|------|------|------|
| 504 | 703 | 601 | 503 | 702 | 605 | 603 |
| -195 | -104 | -196 | -98 | -198 | -197 | -258 |

| | | | | | | |
|------|------|------|------|------|------|------|
| 965 | 733 | 483 | 721 | 640 | 470 | 315 |
| -488 | -175 | -206 | -398 | -583 | -325 | -168 |

| | | | | | | |
|------|------|------|------|------|------|------|
| 526 | 842 | 753 | 931 | 432 | 946 | 608 |
| -499 | -649 | -267 | -876 | -383 | -498 | -429 |

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| 984 <u>-395</u> | 891 <u>-295</u> | 340 <u>-192</u> | 425 <u>-148</u> | 706 <u>-358</u> |
| | | | | 544 <u>-186</u> |
| | | | | 511 <u>-273</u> |
| 831 <u>-265</u> | 702 <u>-465</u> | 605 <u>-516</u> | 770 <u>-598</u> | 982 <u>-689</u> |
| | | | | 406 <u>-348</u> |
| | | | | 834 <u>-796</u> |
| 319 <u>-199</u> | 245 <u>-176</u> | 420 <u>-398</u> | 510 <u>-398</u> | 752 <u>-697</u> |
| | | | | 471 <u>-389</u> |
| | | | | 583 <u>-296</u> |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | |
|------|------|------|------|------|------|------|
| 852 | 915 | 845 | 603 | 612 | 310 | 701 |
| -387 | -449 | -266 | -347 | -445 | -246 | -354 |

| | | | | | | |
|------|------|------|------|------|------|------|
| 640 | 602 | 825 | 516 | 513 | 254 | 614 |
| -596 | -275 | -239 | -437 | -184 | -178 | -239 |

| | | | | | | |
|------|------|------|------|------|------|------|
| 703 | 930 | 763 | 724 | 745 | 432 | 734 |
| -159 | -486 | -476 | -549 | -166 | -154 | -669 |

250

| NAME | DATE | CLASS | TIME | COUNT | |
|------|------|-------|------|-------|------|
| 937 | 361 | 748 | 700 | 882 | 932 |
| -449 | -197 | -269 | -136 | -589 | -384 |
| 836 | 373 | 207 | 421 | 604 | 617 |
| -179 | -296 | -139 | -247 | -458 | -539 |
| 903 | 372 | 926 | 542 | 448 | 623 |
| -854 | -296 | -899 | -186 | -279 | -548 |

Column addition, no carrying, 3 or more digit numbers, more than 2 addends.

COUNT

TIME

CLASS

DATE

NAME

| | | | | | |
|------|------|------|------|------|------|
| 368 | 124 | 143 | 205 | 410 | 631 |
| 431 | 041 | 502 | 493 | 328 | 142 |
| +200 | +123 | +631 | +301 | +341 | +206 |

253

| | | | | | |
|------|------|------|------|------|------|
| 427 | 361 | 640 | 263 | 308 | 135 |
| 340 | 035 | 238 | 415 | 140 | 231 |
| +112 | +103 | +011 | +201 | +250 | +532 |

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 5327 \\ 2140 \\ +2410 \\ \hline \end{array}$$

$$\begin{array}{r} 3542 \\ 3124 \\ +3330 \\ \hline \end{array}$$

$$\begin{array}{r} 2689 \\ 1000 \\ +6210 \\ \hline \end{array}$$

$$\begin{array}{r} 4362 \\ 1423 \\ +2104 \\ \hline \end{array}$$

$$\begin{array}{r} 5321 \\ 1465 \\ +1013 \\ \hline \end{array}$$

$$\begin{array}{r} 5492 \\ 3204 \\ +1102 \\ \hline \end{array}$$

254

$$\begin{array}{r} 4372 \\ 1000 \\ +4616 \\ \hline \end{array}$$

$$\begin{array}{r} 4231 \\ 2420 \\ +1238 \\ \hline \end{array}$$

$$\begin{array}{r} 2165 \\ 4612 \\ +1210 \\ \hline \end{array}$$

$$\begin{array}{r} 3420 \\ 4156 \\ +1313 \\ \hline \end{array}$$

$$\begin{array}{r} 4692 \\ 4004 \\ +1302 \\ \hline \end{array}$$

$$\begin{array}{r} 3654 \\ 2003 \\ +4211 \\ \hline \end{array}$$

$$\begin{array}{r} 3529 \\ 1140 \\ 5120 \\ \hline \end{array}$$

$$\begin{array}{r} 3672 \\ 2114 \\ 4203 \\ \hline \end{array}$$

$$\begin{array}{r} 5348 \\ 2000 \\ 2541 \\ \hline \end{array}$$

$$\begin{array}{r} 4352 \\ 1000 \\ 2437 \\ \hline \end{array}$$

$$\begin{array}{r} 3333 \\ 2222 \\ +1403 \\ \hline \end{array}$$

$$\begin{array}{r} 2200 \\ 4205 \\ +1492 \\ \hline \end{array}$$

NAME _____

| | | | | |
|------------|-------|--------|-------|------|
| 35764 | 21300 | 50 | 13542 | 3251 |
| 2132 | 200 | 136 | 6213 | 7000 |
| <u>100</u> | 8096 | 2800 | 60020 | 2009 |
| | 402 | 2 | 10000 | 300 |
| | 0 | +80000 | 3 | + |
| | | | | 40 |

255

| | | | | |
|-------|-------|-------|-------|------|
| 83120 | 34269 | 90000 | 41 | 6324 |
| 14000 | 3000 | 8635 | 324 | 1413 |
| 1638 | 500 | 1041 | 5130 | 1000 |
| 40 | 210 | 300 | 202 | 1420 |
| 1000 | 4000 | 22 | 60301 | + |
| | + | + | | |

Adds with carrying for 4 or more place numerals with 2 addends.

25

| NAME | DATE | CLASS | TIME | COUNT | |
|------|------|-------|------|-------|------|
| 6743 | 3926 | 7957 | 8561 | 3421 | 9978 |
| 8878 | 4835 | 9782 | 9993 | 5938 | 5843 |
| | | | | | 4735 |
| | | | | | 3826 |
| | | | | | 8582 |
| | | | | | 7857 |
| 7857 | 9591 | 6938 | 5938 | 9482 | 4835 |
| 9493 | 6159 | 3521 | 3421 | 7957 | 3926 |
| | | | | | 3926 |
| | | | | | 8828 |
| 6743 | 6938 | 9493 | 8582 | 4735 | 8878 |
| 3521 | 9561 | 7857 | 3826 | 9978 | 3926 |
| | | | | 5843 | 9482 |
| 258 | | | | | |
| 8561 | 5938 | 7857 | 6242 | 7233 | 6824 |
| 9993 | 3421 | 2512 | 3635 | 9816 | 4632 |
| | | | | | |
| 7934 | 2321 | 6553 | 8967 | 9983 | 5743 |
| 9565 | 5789 | 1477 | 4814 | 8747 | 1789 |
| | | | | | |
| 2487 | 8885 | 2813 | 2347 | 9856 | 2413 |
| 3738 | 2999 | 8596 | 1654 | 2916 | 6598 |

NAME DATE CLASS TIME COUNT

82,521 84,582 59,837 90,556 82,597 62,835 26,893 39,886
86,296 42,916 49,962 77,385 29,481 91,684 80,795 29,157

45,209 42,867 39,688 45,164 89,159 38,257 51,863 49,284
63,982 50,786 58,473 35,765 98,267 77,266 70,565 92,868

259

57,859 42,686 46,556 58,385 83,438 89,299 92,907 74,396
65,967 78,679 80,908 61,579 21,684 67,588 81,554 58,794

26,888 78,393 64,857 99,059 92,654 82,584 38,696 14,688
41,479 48,395 39,848 68,586 58,427 93,635 96,887 69,526

83,989 65,114 89,765 69,473 95,786 53,564 17,425 72,584
59,675 82,879 48,484 53,269 28,698 96,587 35,967 98,749

87,976 83,698 99,569 52,388 63,874 64,798 69,798 86,554
84,597 99,569 67,475 76,959 85,973 75,687 72,452 60,893

Adds- carrying 4 or more place numbers, more than 2 addends.

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 6860 \\ 4535 \\ + 5068 \\ \hline \end{array}$$

$$\begin{array}{r} 8763 \\ 2205 \\ + 1592 \\ \hline \end{array}$$

$$\begin{array}{r} 3007 \\ 6633 \\ + 1230 \\ \hline \end{array}$$

$$\begin{array}{r} 6100 \\ 2620 \\ + 4891 \\ \hline \end{array}$$

$$\begin{array}{r} 2951 \\ 6864 \\ + 1568 \\ \hline \end{array}$$

$$\begin{array}{r} 1965 \\ 8915 \\ + 4086 \\ \hline \end{array}$$

$$\begin{array}{r} 4427 \\ 9756 \\ + 4673 \\ \hline \end{array}$$

$$\begin{array}{r} 7115 \\ 3871 \\ + 9475 \\ \hline \end{array}$$

$$\begin{array}{r} 2828 \\ 7612 \\ + 5068 \\ \hline \end{array}$$

$$\begin{array}{r} 2758 \\ 4562 \\ + 7234 \\ \hline \end{array}$$

$$\begin{array}{r} 5791 \\ 6502 \\ + 5119 \\ \hline \end{array}$$

$$\begin{array}{r} 8321 \\ 4749 \\ + 1190 \\ \hline \end{array}$$

$$\begin{array}{r} 3789 \\ 9430 \\ + 9462 \\ \hline \end{array}$$

$$\begin{array}{r} 8500 \\ 2865 \\ + 8196 \\ \hline \end{array}$$

$$\begin{array}{r} 3269 \\ 4530 \\ + 3348 \\ \hline \end{array}$$

$$\begin{array}{r} 1110 \\ 4789 \\ + 3212 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|------------------------|------------------------|-------|------------------------|------------------------|
| 1582 3971 + 2694 | 2177 3461 + 2753 | | 3840 4737 + 1649 | 3980 1405 + 2567 |
| 1184 3767 + 1273 | 4176 3272 + 2843 | | 1591 5647 + 2758 | 1649 4416 + 1648 |
| 2892 4723 + 6183 | 6664 4738 + 2383 | | 1786 2926 + 7528 | 1506 7028 + 3527 |
| 8091 3728 + 1832 | 2812 7934 + 3175 | | 7168 6922 + 8527 | 3890 2067 1458 |

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 7954 \\ 5242 \\ + 9289 \\ \hline \end{array}$$

$$\begin{array}{r} 4267 \\ 8824 \\ + 2437 \\ \hline \end{array}$$

$$\begin{array}{r} 1262 \\ 1719 \\ + 2496 \\ \hline \end{array}$$

$$\begin{array}{r} 9289 \\ 2740 \\ + 1891 \\ \hline \end{array}$$

263

$$\begin{array}{r} 1369 \\ 1386 \\ + 7397 \\ \hline \end{array}$$

$$\begin{array}{r} 6760 \\ 4857 \\ + 8370 \\ \hline \end{array}$$

$$\begin{array}{r} 1248 \\ 2334 \\ + 1513 \\ \hline \end{array}$$

$$\begin{array}{r} 5468 \\ 3565 \\ 2343 \\ \hline \end{array}$$

$$\begin{array}{r} 6823 \\ 3759 \\ + 3283 \\ \hline \end{array}$$

$$\begin{array}{r} 7262 \\ 6088 \\ + 5427 \\ \hline \end{array}$$

$$\begin{array}{r} 2351 \\ 7607 \\ + 1145 \\ \hline \end{array}$$

$$\begin{array}{r} 5728 \\ + 4462 \\ \hline 8338 \end{array}$$

$$\begin{array}{r} 6706 \\ 5306 \\ + 7376 \\ \hline \end{array}$$

$$\begin{array}{r} 4251 \\ 1873 \\ 2649 \\ \hline \end{array}$$

$$\begin{array}{r} 8709 \\ 9917 \\ 5203 \\ \hline \end{array}$$

$$\begin{array}{r} 2660 \\ 4129 \\ 1101 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 2493 \\ 1937 \\ 8210 \\ + 1096 \\ \hline \end{array}$$

$$\begin{array}{r} 8229 \\ 7337 \\ 4315 \\ + 3780 \\ \hline \end{array}$$

$$\begin{array}{r} 3007 \\ 8494 \\ 3906 \\ + 1478 \\ \hline \end{array}$$

$$\begin{array}{r} 6100 \\ 2620 \\ 4891 \\ + 7597 \\ \hline \end{array}$$

$$\begin{array}{r} 3881 \\ 5971 \\ 8605 \\ + 3571 \\ \hline \end{array}$$

$$\begin{array}{r} 2928 \\ 7033 \\ 5734 \\ + 8173 \\ \hline \end{array}$$

$$\begin{array}{r} 1006 \\ 2620 \\ 1984 \\ + 7957 \\ \hline \end{array}$$

$$\begin{array}{r} 1883 \\ 1795 \\ 5680 \\ + 1753 \\ \hline \end{array}$$

264

$$\begin{array}{r} 7063 \\ 5143 \\ 9047 \\ + 8763 \\ \hline \end{array}$$

$$\begin{array}{r} 1426 \\ 4573 \\ 7924 \\ + 6618 \\ \hline \end{array}$$

$$\begin{array}{r} 7030 \\ 4948 \\ 6093 \\ + 8741 \\ \hline \end{array}$$

$$\begin{array}{r} 3942 \\ 7391 \\ 2108 \\ + 6910 \\ \hline \end{array}$$

$$\begin{array}{r} 5357 \\ 5623 \\ + 8276 \\ \hline \end{array}$$

$$\begin{array}{r} 5273 \\ 2295 \\ + 8013 \\ \hline \end{array}$$

$$\begin{array}{r} 3366 \\ 5473 \\ + 6566 \\ \hline \end{array}$$

$$\begin{array}{r} 8053 \\ 5656 \\ + 6660 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

12137
38131
+21418

32454
17010
+47345

12017
27303
+12305

14995
24842
+12637

265

21134
32427
+26912

18313
14187
+32454

12672
31034
+67301

20032
71846
+13274

1831
2113
1223
+1692

1124
4867
7973
+2290

19703
1077
50403
+22212

612212
506260
+421347

1248
12087
+21248

5591
3686
+3607

7973
5040
+1347

8862
5626
+1844

Subtraction with borrowing , 4 or more place numbers.

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 7436 | 2235 | 2477 | 5171 | 9163 | 1265 | 8243 |
| -6317 | -1017 | -1149 | -1038 | -4027 | -1126 | -3127 |

267

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 4542 | 6423 | 7664 | 8235 | 3251 | 6321 | 8631 |
| -1214 | -3218 | -3225 | -3017 | -2116 | -4214 | -3017 |

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 5921 | 4234 | 5231 | 6434 | 3242 | 9722 | 5346 |
| -1367 | -3116 | -2119 | -2316 | -1024 | -1207 | -3129 |

| NAME | DATE | CLASS | TIME | COUNT | |
|-------|-------|-------|-------|-------|-------|
| 6523 | 4762 | 7532 | 5923 | 5823 | 6521 |
| -1406 | -2235 | -2417 | -1715 | -3619 | -3203 |
| | | | | | 7546 |
| | | | | | -3428 |
| 268 | | | | | |
| 7913 | 8762 | 6924 | 8563 | 6762 | 3673 |
| -2404 | -3246 | -4617 | -5328 | -1523 | -1236 |
| | | | | | 5413 |
| | | | | | -1308 |
| 6914 | 2962 | 4673 | 3537 | 5762 | 4392 |
| -2105 | -1324 | -1325 | -1419 | -4346 | -2123 |
| | | | | | 6435 |
| | | | | | -2209 |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
|------|------|-------|------|-------|

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 3256 | 2671 | 3295 | 3285 | 1256 | 6457 |
| -1348 | -1727 | -1326 | -1329 | -1137 | -3318 |

269

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 3197 | 2678 | 4296 | 2676 | 3762 | 3145 |
| -1089 | -1598 | -3287 | -1529 | -1747 | -2615 |

| | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|
| 4196 | 2692 | 3764 | 7353 | 2675 | 7934 | 5346 |
| -1237 | -1473 | -1635 | -3124 | -1627 | -3417 | -3217 |

| NAME | DATE | CLASS | TIME | COUNT |
|-------|-------|-------|-------|-------|
| 6824 | 2954 | 7983 | 3843 | 3986 |
| -3256 | -1267 | -3295 | -1256 | -1287 |
| 1598 | 2427 | 8921 | 7242 | 2384 |
| -1309 | -1239 | -3256 | -1755 | -1435 |
| 4286 | 4592 | 9732 | 8764 | 2384 |
| -3197 | -2678 | -1658 | -2675 | -1435 |

| NAME | DATE | CLASS | TIME | COUNT |
|-------|-------|-------|-------|-------|
| 3256 | 1267 | 3257 | 3295 | 1256 |
| -1347 | -1159 | -2149 | -1736 | -1137 |
| | | | | 7457 |
| | | | | -3239 |
| | | | | 6287 |
| | | | | -3279 |
| 1309 | 7237 | 2857 | 3256 | 7755 |
| -1239 | -6128 | -2749 | -2138 | -1526 |
| | | | | 2615 |
| | | | | -1406 |
| | | | | 6435 |
| | | | | -2218 |
| 3197 | 2678 | 4296 | 7658 | 2675 |
| -2059 | -1239 | -2129 | -5539 | -1528 |
| | | | | 7936 |
| | | | | -5629 |
| | | | | 3256 |
| | | | | -1129 |

Decimals - Addition

| NAME | DATE | CLASS | TIME | COUNT | |
|---------|-------|-------|-------|-------|-------|
| .73 | .53 | .84 | .71 | .94 | .53 |
| + .94 | + .65 | + .82 | + .85 | + .63 | + .76 |
| | | | | | .21 |
| | | | | | + .41 |
| | | | | | + .35 |
| .64 | .54 | .84 | .74 | .36 | .64 |
| + .52 | + .84 | + .13 | + .61 | + .42 | + .22 |
| | | | | | .38 |
| | | | | | + .20 |
| | | | | | + .50 |
| 273 .94 | .23 | .74 | .62 | .14 | .74 |
| + .72 | + .21 | + .63 | + .34 | + .92 | + .43 |
| | | | | | .58 |
| | | | | | .41 |
| | | | | | + .82 |
| | | | | | + .83 |
| | | | | | + .12 |
| .43 | .41 | .93 | .67 | .94 | .92 |
| + .92 | + .61 | + .84 | + .72 | + .50 | + .61 |
| | | | | | .59 |
| | | | | | .34 |
| | | | | | + .44 |

| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .48 | .73 | .55 | .84 | .75 | .94 | .59 | .76 | .98 | .23 |
| + .23 | + .98 | + .66 | + .87 | + .86 | + .68 | + .97 | + .85 | + .73 | + .27 |
| .64 | .54 | .84 | .74 | .36 | .64 | .59 | .63 | .73 | .69 |
| + .59 | + .97 | + .18 | + .69 | + .47 | + .89 | + .78 | + .28 | + .66 | + .34 |
| 274.43 | .49 | .84 | .77 | .54 | .96 | .53 | .66 | .14 | .74 |
| + .92 | + .63 | + .97 | + .67 | + .97 | + .99 | + .98 | + .60 | + .91 | + .47 |
| .21 | .76 | .38 | .89 | .37 | .27 | .59 | .46 | .58 | .43 |
| + .49 | + .33 | + .24 | + .56 | + .87 | + .15 | + .35 | + .34 | + .14 | + .88 |

| NAME | DATE | CLASS | TIME | COUNT | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .24 | .42 | .45 | .52 | .74 | .66 | .15 | .23 | .24 |
| .88 | .58 | .74 | .14 | .96 | .66 | .27 | .76 | .59 |
| + .43 | + .14 | + .47 | + .91 | + .34 | + .73 | + .23 | + .85 | + .97 |
| .33 | .48 | .76 | .64 | .26 | .14 | .43 | .24 | .17 |
| .49 | .76 | .33 | .37 | .15 | .35 | .34 | .94 | .86 |
| + .21 | + .33 | + .48 | + .87 | + .27 | + .59 | + .46 | + .94 | + .86 |
| 275 | .11 | .14 | .43 | .14 | .53 | .14 | .16 | .23 |
| .63 | .84 | .67 | .54 | .96 | .98 | .60 | .24 | .66 |
| + .49 | + .97 | + .77 | + .97 | + .99 | + .66 | + .73 | + .55 | + .53 |
| .24 | .17 | .16 | .69 | .48 | .73 | .43 | .64 | .14 |
| .59 | .54 | .18 | .22 | .47 | .89 | .78 | .28 | .48 |
| + .64 | + .97 | + .84 | + .74 | + .36 | + .64 | + .59 | + .98 | + .23 |

| NAME | DATE | CLASS | TIME | COUNT |
|---------|---------|---------|---------|---------|
| \$ 3.48 | \$ 3.73 | \$ 7.66 | \$ 4.84 | \$ 2.75 |
| + 6.23 | + 2.98 | + 2.35 | + 2.87 | + 3.86 |
| | | | | \$ 4.94 |
| | | | | + 2.97 |
| | | | | + 2.85 |
| \$ 2.98 | \$ 3.23 | \$ 4.73 | \$ 4.69 | \$ 5.14 |
| + 4.70 | + 4.02 | + 2.66 | + 9.34 | + 3.91 |
| | | | | \$ 6.74 |
| | | | | + 2.14 |
| | | | | + 2.88 |
| \$ 4.21 | \$ 7.76 | \$ 2.38 | \$ 8.89 | \$ 2.37 |
| + 3.49 | + 3.03 | + 4.24 | + 1.56 | + 4.80 |
| | | | | \$ 3.27 |
| | | | | + 4.15 |
| | | | | \$ 7.59 |
| | | | | + 2.35 |
| | | | | + 2.46 |
| \$ 8.43 | \$ 7.49 | \$ 3.84 | \$ 4.77 | \$ 1.54 |
| + 2.92 | + 2.63 | + 4.97 | + 3.67 | + 2.97 |
| | | | | \$ 4.96 |
| | | | | + 3.99 |
| | | | | \$ 3.53 |
| | | | | + 9.98 |
| | | | | + 2.66 |
| \$ 4.63 | \$ 4.59 | \$ 2.64 | \$ 4.31 | \$ 4.74 |
| + 4.28 | + 4.08 | + 3.89 | + 2.47 | + 8.69 |
| | | | | \$ 4.42 |
| | | | | + 6.63 |
| | | | | \$ 7.43 |
| | | | | + 2.94 |
| | | | | + 2.92 |

Decimals - Subtraction

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| .7 | .6 | .5 | .8 | .6 | .8 | .4 | .7 |
| <u>-.2</u> | <u>-.3</u> | <u>-.4</u> | <u>-.2</u> | <u>-.5</u> | <u>-.4</u> | <u>-.1</u> | |
| .8 | .5 | .7 | .4 | .7 | .8 | .5 | .7 |
| <u>-.1</u> | <u>-.2</u> | <u>-.3</u> | <u>-.2</u> | <u>-.5</u> | <u>-.6</u> | <u>-.4</u> | <u>-.6</u> |
| .6 | .7 | .6 | .9 | .6 | .2 | .9 | .8 |
| <u>-.6</u> | <u>-.4</u> | <u>-.4</u> | <u>-.2</u> | <u>-.2</u> | <u>-.1</u> | <u>-.6</u> | <u>-.3</u> |
| .3 | .6 | .5 | .9 | .8 | .9 | .9 | .8 |
| <u>-.1</u> | <u>-.1</u> | <u>-.5</u> | <u>-.2</u> | <u>-.7</u> | <u>-.3</u> | <u>-.4</u> | <u>-.6</u> |

| NAME | DATE | CLASS | TIME | COUNT |
|--|--|--|--|--|
| $\begin{array}{r} .48 \\ -.23 \\ \hline \end{array}$ | $\begin{array}{r} .56 \\ -.14 \\ \hline \end{array}$ | $\begin{array}{r} .78 \\ -.16 \\ \hline \end{array}$ | $\begin{array}{r} .49 \\ -.21 \\ \hline \end{array}$ | $\begin{array}{r} .76 \\ -.52 \\ \hline \end{array}$ |
| $\begin{array}{r} .63 \\ -.10 \\ \hline \end{array}$ | $\begin{array}{r} .69 \\ -.27 \\ \hline \end{array}$ | $\begin{array}{r} .58 \\ -.14 \\ \hline \end{array}$ | $\begin{array}{r} .23 \\ -.13 \\ \hline \end{array}$ | $\begin{array}{r} .52 \\ -.11 \\ \hline \end{array}$ |
| $\begin{array}{r} .58 \\ -.15 \\ \hline \end{array}$ | $\begin{array}{r} .64 \\ -.41 \\ \hline \end{array}$ | $\begin{array}{r} .39 \\ -.16 \\ \hline \end{array}$ | $\begin{array}{r} .48 \\ -.23 \\ \hline \end{array}$ | $\begin{array}{r} .47 \\ -.24 \\ \hline \end{array}$ |
| $\begin{array}{r} .24 \\ -.11 \\ \hline \end{array}$ | $\begin{array}{r} .56 \\ -.12 \\ \hline \end{array}$ | $\begin{array}{r} .46 \\ -.12 \\ \hline \end{array}$ | $\begin{array}{r} .36 \\ -.14 \\ \hline \end{array}$ | $\begin{array}{r} .49 \\ -.15 \\ \hline \end{array}$ |
| $\begin{array}{r} .15 \\ -.13 \\ \hline \end{array}$ | $\begin{array}{r} .75 \\ -.23 \\ \hline \end{array}$ | $\begin{array}{r} .47 \\ -.26 \\ \hline \end{array}$ | $\begin{array}{r} .58 \\ -.31 \\ \hline \end{array}$ | $\begin{array}{r} .43 \\ -.20 \\ \hline \end{array}$ |
| $\begin{array}{r} .57 \\ -.43 \\ \hline \end{array}$ | $\begin{array}{r} .98 \\ -.74 \\ \hline \end{array}$ | $\begin{array}{r} .86 \\ -.23 \\ \hline \end{array}$ | $\begin{array}{r} .93 \\ -.21 \\ \hline \end{array}$ | $\begin{array}{r} .48 \\ -.44 \\ \hline \end{array}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|---|---|---|---|---|
| $\begin{array}{r} .34 \\ - .17 \\ \hline \end{array}$ | $\begin{array}{r} .46 \\ - .28 \\ \hline \end{array}$ | $\begin{array}{r} .91 \\ - .38 \\ \hline \end{array}$ | $\begin{array}{r} .52 \\ - .49 \\ \hline \end{array}$ | $\begin{array}{r} .75 \\ - .66 \\ \hline \end{array}$ |
| $\begin{array}{r} .84 \\ - .29 \\ \hline \end{array}$ | $\begin{array}{r} .92 \\ - .17 \\ \hline \end{array}$ | $\begin{array}{r} .82 \\ - .14 \\ \hline \end{array}$ | $\begin{array}{r} .82 \\ - .64 \\ \hline \end{array}$ | $\begin{array}{r} .83 \\ - .49 \\ \hline \end{array}$ |
| $\begin{array}{r} .68 \\ - .29 \\ \hline \end{array}$ | $\begin{array}{r} .56 \\ - .37 \\ \hline \end{array}$ | $\begin{array}{r} .93 \\ - .47 \\ \hline \end{array}$ | $\begin{array}{r} .82 \\ - .53 \\ \hline \end{array}$ | $\begin{array}{r} .43 \\ - .28 \\ \hline \end{array}$ |
| $\begin{array}{r} .78 \\ - .39 \\ \hline \end{array}$ | $\begin{array}{r} .51 \\ - .24 \\ \hline \end{array}$ | $\begin{array}{r} .94 \\ - .29 \\ \hline \end{array}$ | $\begin{array}{r} .86 \\ - .48 \\ \hline \end{array}$ | $\begin{array}{r} .35 \\ - .26 \\ \hline \end{array}$ |
| $\begin{array}{r} .93 \\ - .18 \\ \hline \end{array}$ | $\begin{array}{r} .66 \\ - .27 \\ \hline \end{array}$ | $\begin{array}{r} .54 \\ - .39 \\ \hline \end{array}$ | $\begin{array}{r} .41 \\ - .27 \\ \hline \end{array}$ | $\begin{array}{r} .62 \\ - .25 \\ \hline \end{array}$ |
| $\begin{array}{r} .64 \\ - .57 \\ \hline \end{array}$ | $\begin{array}{r} .44 \\ - .28 \\ \hline \end{array}$ | $\begin{array}{r} .72 \\ - .56 \\ \hline \end{array}$ | $\begin{array}{r} .86 \\ - .47 \\ \hline \end{array}$ | $\begin{array}{r} .91 \\ - .76 \\ \hline \end{array}$ |
| $\begin{array}{r} .65 \\ - .27 \\ \hline \end{array}$ | $\begin{array}{r} .33 \\ - .24 \\ \hline \end{array}$ | $\begin{array}{r} .83 \\ - .36 \\ \hline \end{array}$ | $\begin{array}{r} .91 \\ - .64 \\ \hline \end{array}$ | $\begin{array}{r} .77 \\ - .29 \\ \hline \end{array}$ |

| NAME | DATE | CLASS | TIME | COUNT | |
|-------|-------|-------|-------|-------|-------|
| .423 | .839 | .935 | .684 | .814 | .536 |
| -.173 | -.465 | -.829 | -.293 | -.434 | -.451 |
| | | | | | |
| .256 | .692 | .981 | .788 | .692 | .781 |
| -.249 | -.638 | -.243 | -.479 | -.638 | -.677 |
| | | | | | |
| .735 | .695 | .927 | .752 | .831 | .482 |
| -.728 | -.146 | -.256 | -.137 | -.241 | -.235 |
| | | | | | |
| .942 | .839 | .768 | .861 | .773 | .692 |
| -.391 | -.596 | -.384 | -.249 | -.214 | -.544 |
| | | | | | |
| .738 | .868 | .526 | .748 | .833 | .937 |
| -.276 | -.659 | -.217 | -.254 | -.215 | -.244 |

| NAME | DATE | CLASS | TIME | COUNT |
|----------------|----------------|----------------|----------------|----------------|
| .940 - .226 | .320 - .107 | .401 - .241 | .560 - .147 | .607 - .363 |
| | | | | .908 - .416 |
| | | | | .780 - .278 |
| .608 - .347 | .880 - .339 | .907 - .286 | .250 - .148 | .407 - .331 |
| | | | | .790 - .718 |
| | | | | .640 - .522 |
| .750 - .523 | .203 - .142 | .302 - .122 | .506 - .442 | .170 - .126 |
| | | | | .220 - .145 |
| | | | | .310 - .207 |
| .504 - .323 | .140 - .137 | .270 - .129 | .908 - .349 | .802 - .362 |
| | | | | .304 - .133 |
| | | | | .404 - .142 |
| .130 - .105 | .603 - .411 | .870 - .307 | .708 - .577 | .403 - .322 |
| | | | | .805 - .216 |
| | | | | .507 - .445 |

Decimals - Fractions $\frac{1}{2}$, $\frac{1}{4}$, .10

| NAME | DATE | CLASS | TIME | COUNT |
|-------------------------------|-------------------------------|---|-------------------------------|---|
| $\frac{1}{4} + \frac{1}{4} =$ | $\frac{1}{2} - \frac{1}{2} =$ | $.70 + .30 =$ | $.50 + .30 =$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ |
| $\frac{1}{2} + \frac{1}{2} =$ | $.40 - .20 =$ | $\frac{2}{4} - \frac{1}{4} =$ | $.50 - .20 =$ | $.60 - .40 =$ |
| $.10 + .90 =$ | $.40 + .40 =$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ | $.60 + .20 =$ | $\frac{3}{4} - \frac{1}{4} =$ |
| $.70 - .30 =$ | $\frac{3}{4} + \frac{1}{4} =$ | $.90 + .10 =$ | $\frac{2}{4} + \frac{2}{4} =$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} =$ |
| $.90 - .10 =$ | $.50 - .20 =$ | $.80 + .20 =$ | $.70 - .30 =$ | $.60 + .40 =$ |

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 2/4 \\ 1/4 \\ + \end{array}$$

$$\begin{array}{r} 3/4 \\ 1/4 \\ + \end{array}$$

$$\begin{array}{r} 2/4 \\ 2/4 \\ + \end{array}$$

$$\begin{array}{r} 3/4 \\ 1/4 \\ - \end{array}$$

$$\begin{array}{r} 2/4 \\ 1/4 \\ + \end{array}$$

$$\begin{array}{r} 1/2 \\ 1/2 \\ + \end{array}$$

$$\begin{array}{r} 1/2 \\ 1/2 \\ - \end{array}$$

$$\begin{array}{r} 1/4 \\ 1/4 \\ + \end{array}$$

$$\begin{array}{r} .80 \\ + .20 \\ \hline \end{array}$$

$$\begin{array}{r} .60 \\ + .40 \\ \hline \end{array}$$

$$\begin{array}{r} .30 \\ + .70 \\ \hline \end{array}$$

$$\begin{array}{r} .20 \\ + .60 \\ \hline \end{array}$$

$$\begin{array}{r} .50 \\ + .20 \\ \hline \end{array}$$

$$\begin{array}{r} .50 \\ + .30 \\ \hline \end{array}$$

$$\begin{array}{r} .70 \\ + .30 \\ \hline \end{array}$$

$$\begin{array}{r} .40 \\ + .20 \\ \hline \end{array}$$

$$\begin{array}{r} .60 \\ + .20 \\ \hline \end{array}$$

$$\begin{array}{r} .90 \\ - .40 \\ \hline \end{array}$$

$$\begin{array}{r} .30 \\ - .20 \\ \hline \end{array}$$

$$\begin{array}{r} .60 \\ - .10 \\ \hline \end{array}$$

$$\begin{array}{r} .70 \\ - .40 \\ \hline \end{array}$$

$$\begin{array}{r} .80 \\ - .50 \\ \hline \end{array}$$

$$\begin{array}{r} .40 \\ - .30 \\ \hline \end{array}$$

$$\begin{array}{r} .50 \\ - .20 \\ \hline \end{array}$$

Repeating addition to solve multiplication problems, limit 5 X 10

| NAME | DATE | CLASS | TIME | COUNT |
|-----------------|----------------|-----------------|-----------------|-----------------|
| 3 x 4 = | 2 x 1 = | 3 x 5 = | 2 x 8 = | 5 x 2 = |
| 4 x 4 = | 1 + 1 = | 5 + 5 = | 8 + 8 = | 2 + 2 + 2 + 2 = |
| 3 x 1 = | 2 x 3 = | 3 x 7 = | 3 x 6 = | 3 x 2 = |
| 1 + 1 + 1 = | 3 + 3 = | 7 + 7 = | 6 + 6 = | 2 + 2 + 2 = |
| 287 | 3 x 3 = | 2 x 7 = | 4 x 3 = | 2 x 2 = |
| 4 x 1 = | 3 + 3 + 3 = | 7 + 7 = | 3 + 3 + 3 + 3 = | 2 + 2 = |
| 1 + 1 + 1 + 1 = | | | | 3 x 8 = |
| | | | | 8 + 8 + 8 = |
| 4 x 4 = | 3 x 10 = | 4 x 5 = | 2 x 5 = | 2 x 6 = |
| 4 + 4 + 4 + 4 = | 10 + 10 + 10 = | 5 + 5 + 5 + 5 = | 5 + 5 = | 6 + 6 + 6 = |
| 4 x 7 = | 2 x 9 = | 4 x 8 = | 2 x 10 = | 3 x 9 = |
| 7 + 7 + 7 + 7 = | 9 + 9 = | 8 + 8 + 8 + 8 = | 10 + 10 = | 9 + 9 + 9 = |

| NAME | DATE | CLASS | TIME | COUNT |
|------------|--------------|------------|------------|-----------------|
| 1+1+1+1 = | 10+10+10+10= | 2+2+2+2= | 8+8+8+8= | 10+10+10+10+10= |
| 5x1 = | 4x10= | 3x2= | 4x8= | 5x10= |
| 7+7+7+7= | 2+2+2+2+2= | 3+3+3+3= | 2+2+2+2+2= | 4+4+4+4= |
| 4x7= | 5x2= | 3x3= | 2x4= | 4x4= |
| 6+6+6+6+6= | 1+1+1+1= | 3+3+3+3+3= | 6+6+6= | 7+7+7+7= |
| 5x6= | 4x1= | 5x3= | 3x6= | 5x7= |
| 3+3+3+3= | 8+8+8+8+8= | 8+8+8= | 4+4+4+4+4= | 9+9+9+9+9= |
| 4x3= | 5x8= | 3x8= | 5x4= | 5x9= |
| 1+1+1= | 5+5+5= | 5+5+5+5= | 9+9+9= | 10+10+10= |
| 3x1= | 3x1= | 4x5= | 3x9= | 5x5= |
| | | | | 3x10= |

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 3 \\ 3 \\ 3 \\ +3 \end{array} \quad \begin{array}{r} 4x3= \\ 5 \\ +5 \end{array} \quad \begin{array}{r} 3x5= \\ 4 \\ 4 \\ +4 \end{array} \quad \begin{array}{r} 3x4= \\ 2 \\ 2 \\ +2 \end{array} \quad \begin{array}{r} 2x4= \\ 2 \\ 2 \\ +2 \end{array} \quad \begin{array}{r} 2x1= \\ 2 \\ 2 \\ +2 \end{array} \quad \begin{array}{r} 3x2= \\ 2 \\ 2 \\ +2 \end{array}$$

$$\begin{array}{r} 5 \\ 5 \\ 5 \\ +5 \end{array} \quad \begin{array}{r} 4x5= \\ 9 \\ +9 \end{array} \quad \begin{array}{r} 2x9= \\ 1 \\ 1 \\ +1 \end{array} \quad \begin{array}{r} 3x1= \\ 4 \\ 4 \\ +4 \end{array} \quad \begin{array}{r} 2x2= \\ 2 \\ 2 \\ +2 \end{array} \quad \begin{array}{r} 2x5= \\ 5 \\ 5 \\ +5 \end{array}$$

$$\begin{array}{r} 8 \\ 8 \\ 8 \\ +8 \end{array} \quad \begin{array}{r} 4x8= \\ 5 \\ 5 \\ +5 \end{array} \quad \begin{array}{r} 3x5= \\ 3 \\ 3 \\ +3 \end{array} \quad \begin{array}{r} 2x3= \\ 1 \\ 1 \\ +1 \end{array} \quad \begin{array}{r} 4x1= \\ 3 \\ 3 \\ +3 \end{array} \quad \begin{array}{r} 3x3= \\ 4 \\ 4 \\ +4 \end{array} \quad \begin{array}{r} 4x4= \\ 4 \\ 4 \\ +4 \end{array}$$

$$\begin{array}{r} 10 \\ 10 \\ +10 \end{array} \quad \begin{array}{r} 3x10= \\ 6 \\ +6 \end{array} \quad \begin{array}{r} 2x6= \\ 7 \\ 7 \\ +7 \end{array} \quad \begin{array}{r} 4x7= \\ 9 \\ 9 \\ +9 \end{array} \quad \begin{array}{r} 3x9= \\ 7 \\ 7 \\ +7 \end{array} \quad \begin{array}{r} 2x7= \\ 10 \\ +10 \end{array} \quad \begin{array}{r} 2x10= \\ 10 \\ 10 \\ +10 \end{array}$$

$$\begin{array}{r} 8 \\ 8 \\ +8 \end{array} \quad \begin{array}{r} 2x8= \\ 10 \\ 10 \\ +10 \end{array} \quad \begin{array}{r} 4x10= \\ 6 \\ 6 \\ +6 \end{array} \quad \begin{array}{r} 3x6= \\ 10 \\ 10 \\ +10 \end{array} \quad \begin{array}{r} 4x6= \\ 6 \\ 6 \\ +6 \end{array} \quad \begin{array}{r} 3x7= \\ 7 \\ 7 \\ +7 \end{array}$$

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| | | | | | |
|----------------------------|----------------------------------|---------------------------------------|---------------------------------------|---|---------------------------------------|
| 1 1 1 1 1 + | 5 x 1 = 10 10 10 +10 | 4 x 7 = 7 7 7 7 + | 3 x 2 = 2 2 2 + | 4 x 8 = 8 8 8 8 + | 3 x 3 = 3 3 3 + |
| 2 2 2 2 + | 4 x 2 = 4 4 4 + | 4 x 6 = 6 6 6 6 + | 4 x 9 = 9 9 9 9 + | 5 x 10 = 10 10 10 10 +10 | 4 x 7 = 7 7 7 7 + |
| 7 7 7 + | 3 x 7 = 6 6 6 6 + | 4 x 1 = 1 1 1 1 + | 5 x 3 = 3 3 3 3 3 + | 3 x 6 = 6 6 6 + | 5 x 7 = 7 7 7 7 7 + |
| 8 8 8 8 + | 5 x 8 = 5 5 5 5 + | 4 x 3 = 3 3 3 3 + | 3 x 1 = 1 1 1 + | 3 x 10 = 10 10 10 + | 5 x 9 = 9 9 9 9 9 + |
| 5 5 5 5 + | 4 x 5 = 9 9 9 9 + | 5 x 4 = 4 4 4 4 4 + | 3 x 8 = 8 8 8 + | 5 x 5 = 5 5 5 5 5 + | 4 x 4 = 4 4 4 4 + |

Draw lines to match equalities.

3×5

$1+1+1+1+1$

2×3

$5+5+5+5+5$

2×4

$8+8+8$

3×7

$7+7+7$

5×1

$2+2+2+2+2$

2×6

$3+3$

3×8

$5+5+5$

3×6

$6+6$

3×6

$4+4+4$

2×0

$5+5$

5×2

$3+3+3+3+3$

5×5

$6+6+6$

3×4

$4+4$

4×1

$1+1$

5×3

$6+6+6$

2×1

$0+0$

4×0

$2+2$

2×5

$1+1+1+1$

2×2

$0+0+0+0$

3×3

$3+3+3$

Multiplying using 0 - 1 as factors

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$$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$$

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$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ \times 0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \times 1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$$

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$4 \times 0 =$

$9 \times 1 =$

$4 \times 1 =$

$2 \times 1 =$

$3 \times 1 =$

$8 \times 0 =$

$6 \times 0 =$

$6 \times 1 =$

$0 \times 0 =$

$7 \times 1 =$

$8 \times 1 =$

$7 \times 0 =$

$6 \times 0 =$

$5 \times 0 =$

$7 \times 1 =$

$8 \times 1 =$

$2 \times 1 =$

$6 \times 1 =$

$5 \times 0 =$

$5 \times 0 =$

$8 \times 1 =$

$4 \times 0 =$

$3 \times 0 =$

$4 \times 1 =$

$7 \times 0 =$

$3 \times 1 =$

$7 \times 1 =$

$6 \times 1 =$

$9 \times 0 =$

$2 \times 0 =$

$4 \times 0 =$

$7 \times 0 =$

$5 \times 1 =$

$1 \times 1 =$

$2 \times 1 =$

$9 \times 1 =$

Oral written multiplication, factors 2, 3, 4, and 5.

| NAME | DATE | CLASS | TIME | COUNT |
|----------|-----------|-----------|-----------|-----------|
| 1 x 2 | 2 x 3 | 6 x 2 | 2 x 8 | 7 x 2 |
| 2 x 9 | 2 x 10 | 2 x 11 | 12 x 2 | 2 x 1 |
| 2 x 2 | 3 x 2 | 0 x 2 | 11 x 2 | 8 x 2 |
| 8 x 2 | 1 x 2 | 4 x 2 | 3 x 2 | 5 x 2 |
| 2 x 4 | 2 x 5 | 10 x 2 | 4 x 2 | 2 x 12 |

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$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

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$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|---|---|---|---|---|
| $\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$ |
| $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 10 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$ |
| 299 $\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 11 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$ |
| $\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$ |
| $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$ |

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$$\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

300

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 05 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

Filling-in missing factors, to 5 X 10

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

$2 \times \underline{\quad} = 14$

$8 \times \underline{\quad} = 16$

$2 \times \underline{\quad} = 4$

$\underline{\quad} \times 5 = 10$

$6 \times \underline{\quad} = 12$

$\underline{\quad} \times 2 = 18$

$3 \times \underline{\quad} = 6$

$\underline{\quad} \times 2 = 8$

$10 \times \underline{\quad} = 20$

$3 \times \underline{\quad} = 18$

$9 \times \underline{\quad} = 27$

$\underline{\quad} \times 8 = 24$

$\underline{\quad} \times 7 = 21$

$3 \times \underline{\quad} = 18$

$\underline{\quad} \times 3 = 9$

$4 \times \underline{\quad} = 12$

$7 \times \underline{\quad} = 14$

$4 \times \underline{\quad} = 16$

$\underline{\quad} \times 10 = 30$

$\underline{\quad} \times 3 = 6$

$9 \times \underline{\quad} = 36$

$4 \times \underline{\quad} = 12$

$4 \times \underline{\quad} = 28$

$5 \times \underline{\quad} = 20$

$6 \times \underline{\quad} = 24$

$\underline{\quad} \times 2 = 8$

$\underline{\quad} \times 4 = 24$

$8 \times \underline{\quad} = 32$

$5 \times \underline{\quad} = 10$

$6 \times \underline{\quad} = 30$

$\underline{\quad} \times 5 = 20$

$10 \times \underline{\quad} = 50$

$5 \times \underline{\quad} = 45$

$\underline{\quad} \times 5 = 15$

$6 \times \underline{\quad} = 36$

$5 \times \underline{\quad} = 25$

$5 \times \underline{\quad} = 5$

$\underline{\quad} \times 5 = 30$

$5 \times \underline{\quad} = 40$

$5 \times \underline{\quad} = 50$

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$$6 \times \underline{\quad} = 6 \qquad 8 \times \underline{\quad} = 48 \qquad 3 \times \underline{\quad} = 18 \qquad 4 \times \underline{\quad} = 24 \qquad 6 \times \underline{\quad} = 36$$

$$2 \times \underline{\quad} = 12 \qquad 5 \times \underline{\quad} = 30 \qquad \underline{\quad} \times 6 = 42 \qquad 7 \times \underline{\quad} = 49 \qquad 2 \times \underline{\quad} = 14$$

$$3 \times \underline{\quad} = 21 \qquad \underline{\quad} \times 7 = 42 \qquad 7 \times \underline{\quad} = 28 \qquad 5 \times \underline{\quad} = 35 \qquad 6 \times \underline{\quad} = 48$$

$$8 \times \underline{\quad} = 16 \qquad 3 \times \underline{\quad} = 24 \qquad 4 \times \underline{\quad} = 32 \qquad 5 \times \underline{\quad} = 40 \qquad 2 \times \underline{\quad} = 18$$

$$9 \times \underline{\quad} = 45 \qquad 3 \times \underline{\quad} = 27 \qquad 4 \times \underline{\quad} = 36 \qquad 7 \times \underline{\quad} = 42 \qquad 10 \times \underline{\quad} = 50$$

$$4 \times \underline{\quad} = 40 \qquad 10 \times \underline{\quad} = 20 \qquad 3 \times \underline{\quad} = 30 \qquad 8 \times \underline{\quad} = 48 \qquad 5 \times \underline{\quad} = 40$$

$$6 \times \underline{\quad} = 30 \qquad 7 \times \underline{\quad} = 35 \qquad 4 \times \underline{\quad} = 28 \qquad 8 \times \underline{\quad} = 32 \qquad \underline{\quad} \times 9 = 45$$

$$5 \times \underline{\quad} = 50 \qquad 4 \times \underline{\quad} = 28 \qquad 7 \times \underline{\quad} = 42 \qquad 9 \times \underline{\quad} = 36 \qquad 7 \times \underline{\quad} = 21$$

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$$\begin{array}{r} 2 \\ \times [] \\ \hline 14 \end{array} \quad \begin{array}{r} 6 \\ \times [] \\ \hline 12 \end{array} \quad \begin{array}{r} [] \\ \times 2 \\ \hline 16 \end{array} \quad \begin{array}{r} [] \\ \times 5 \\ \hline 10 \end{array} \quad \begin{array}{r} 3 \\ \times [] \\ \hline 6 \end{array} \quad \begin{array}{r} 2 \\ \times [] \\ \hline 4 \end{array}$$

$$\begin{array}{r} 10 \\ \times [] \\ \hline 20 \end{array} \quad \begin{array}{r} 3 \\ \times [] \\ \hline 15 \end{array} \quad \begin{array}{r} [] \\ \times 9 \\ \hline 27 \end{array} \quad \begin{array}{r} [] \\ \times 8 \\ \hline 24 \end{array} \quad \begin{array}{r} 3 \\ \times [] \\ \hline 18 \end{array} \quad \begin{array}{r} 7 \\ \times [] \\ \hline 21 \end{array}$$

$$\begin{array}{r} [] \\ \times 3 \\ \hline 9 \end{array} \quad \begin{array}{r} 4 \\ \times [] \\ \hline 12 \end{array} \quad \begin{array}{r} 7 \\ \times [] \\ \hline 14 \end{array} \quad \begin{array}{r} 4 \\ \times [] \\ \hline 16 \end{array} \quad \begin{array}{r} [] \\ \times 10 \\ \hline 30 \end{array} \quad \begin{array}{r} [] \\ \times 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 9 \\ \times [] \\ \hline 36 \end{array} \quad \begin{array}{r} 4 \\ \times [] \\ \hline 12 \end{array} \quad \begin{array}{r} 4 \\ \times [] \\ \hline 28 \end{array} \quad \begin{array}{r} 5 \\ \times [] \\ \hline 20 \end{array} \quad \begin{array}{r} 6 \\ \times [] \\ \hline 24 \end{array} \quad \begin{array}{r} [] \\ \times 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} [] \\ \times 4 \\ \hline 24 \end{array} \quad \begin{array}{r} 8 \\ \times [] \\ \hline 32 \end{array} \quad \begin{array}{r} 5 \\ \times [] \\ \hline 10 \end{array} \quad \begin{array}{r} 6 \\ \times [] \\ \hline 30 \end{array} \quad \begin{array}{r} [] \\ \times 5 \\ \hline 20 \end{array} \quad \begin{array}{r} 10 \\ \times [] \\ \hline 50 \end{array}$$

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$$\begin{array}{r} 5 \\ \times [] \\ \hline 15 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 5 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 25 \end{array}$$

$$\begin{array}{r} 6 \\ \times [] \\ \hline 30 \end{array}$$

$$\begin{array}{r} [] \\ \times 5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 45 \end{array}$$

$$\begin{array}{r} [] \\ \times 5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 4 \\ \times [] \\ \hline 24 \end{array}$$

$$\begin{array}{r} 3 \\ \times [] \\ \hline 18 \end{array}$$

$$\begin{array}{r} 8 \\ \times [] \\ \hline 48 \end{array}$$

$$\begin{array}{r} 6 \\ \times [] \\ \hline 36 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 50 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 40 \end{array}$$

$$\begin{array}{r} 2 \\ \times [] \\ \hline 14 \end{array}$$

$$\begin{array}{r} 7 \\ \times [] \\ \hline 49 \end{array}$$

$$\begin{array}{r} 6 \\ \times [] \\ \hline 42 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 30 \end{array}$$

$$\begin{array}{r} 2 \\ \times [] \\ \hline 12 \end{array}$$

$$\begin{array}{r} 6 \\ \times [] \\ \hline 36 \end{array}$$

$$\begin{array}{r} 8 \\ \times [] \\ \hline 48 \end{array}$$

$$\begin{array}{r} 4 \\ \times [] \\ \hline 40 \end{array}$$

$$\begin{array}{r} 4 \\ \times [] \\ \hline 36 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 35 \end{array}$$

$$\begin{array}{r} 7 \\ \times [] \\ \hline 28 \end{array}$$

$$\begin{array}{r} 3 \\ \times [] \\ \hline 21 \end{array}$$

$$\begin{array}{r} 9 \\ \times [] \\ \hline 36 \end{array}$$

$$\begin{array}{r} 4 \\ \times [] \\ \hline 28 \end{array}$$

$$\begin{array}{r} 5 \\ \times [] \\ \hline 50 \end{array}$$

$$\begin{array}{r} [] \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 9 \\ \times [] \\ \hline 36 \end{array}$$

$$\begin{array}{r} 8 \\ \times [] \\ \hline 32 \end{array}$$

Completing 2 multiplication statements, illustrating commutative principle..

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| | | | | |
|------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|
| $6 \times 7 = __ \times 6$ | $4 \times 3 = __ \times 4$ | $__ \times 2 = 2 \times 2$ | $1 \times 6 = 6 \times __$ | $5 \times 8 = __ \times 5$ |
| $7 \times __ = 6 \times 7$ | $3 \times 2 = __ \times 3$ | $1 \times 10 = __ \times 1$ | $3 \times __ = 5 \times 3$ | $1 \times __ = 5 \times 1$ |
| $2 \times 9 = __ \times 2$ | $4 \times 4 = __ \times 4$ | $__ \times 7 = 7 \times 1$ | $2 \times 3 = __ \times 3$ | $5 \times 6 = __ \times 5$ |
| $2 \times 8 = __ \times 2$ | $4 \times 2 = __ \times 4$ | $__ \times 8 = 8 \times 4$ | $__ \times 4 = 4 \times 2$ | $3 \times 10 = __ \times 3$ |
| $5 \times __ = 9 \times 5$ | $3 \times __ = 7 \times 3$ | $1 \times 3 = __ \times 1$ | $5 \times 2 = __ \times 5$ | $4 \times 9 = __ \times 4$ |
| $__ \times 8 = 8 \times 5$ | $3 \times 6 = __ \times 3$ | $4 \times 3 = __ \times 4$ | $__ \times 7 = 7 \times 2$ | $3 \times __ = 9 \times 3$ |
| $__ \times 4 = 4 \times 1$ | $5 \times __ = 3 \times 5$ | $1 \times 9 = __ \times 1$ | $2 \times __ = 6 \times 2$ | $3 \times __ = 8 \times 3$ |
| $4 \times __ = 5 \times 4$ | $5 \times __ = 10 \times 5$ | $1 \times 6 = __ \times 1$ | $10 \times __ = 2 \times 10$ | $2 \times __ = 1 \times 2$ |
| $4 \times __ = 7 \times 4$ | $5 \times 4 = 4 \times __$ | $3 \times 2 = 2 \times __$ | $10 \times 4 = 4 \times __$ | $7 \times __ = 5 \times 7$ |

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$$9 \times 1 = \underline{\quad} \times 9 \quad 6 \times \underline{\quad} = 7 \times 6 \quad 4 \times \underline{\quad} = 6 \times 4 \quad 8 \times \underline{\quad} = 7 \times 8 \quad \underline{\quad} \times 3 = 3 \times 5$$

$$7 \times \underline{\quad} = 9 \times 7 \quad 2 \times \underline{\quad} = 5 \times 2 \quad \underline{\quad} \times 6 = 6 \times 3 \quad 4 \times \underline{\quad} = 2 \times 4 \quad 6 \times \underline{\quad} = 1 \times 6$$

$$7 \times \underline{\quad} = 5 \times 7 \quad 9 \times 3 = \underline{\quad} \times 9 \quad 2 \times 6 = 6 \times \underline{\quad} \quad 8 \times 2 = \underline{\quad} \times 8 \quad 3 \times \underline{\quad} = 9 \times 3$$

$$3 \times \underline{\quad} = 4 \times 3 \quad \underline{\quad} \times 4 = 4 \times 5 \quad 3 \times \underline{\quad} = 7 \times 3 \quad 3 \times 1 = \underline{\quad} \times 3 \quad 7 \times \underline{\quad} = 6 \times 7$$

$$8 \times \underline{\quad} = 8 \times 8 \quad 5 \times \underline{\quad} = 3 \times 5 \quad 4 \times 6 = \underline{\quad} \times 4 \quad 2 \times \underline{\quad} = 6 \times 2 \quad 6 \times 6 = 6 \times \underline{\quad}$$

$$6 \times 3 = \underline{\quad} \times 6 \quad 8 \times 9 = \underline{\quad} \times 8 \quad 4 \times 9 = 9 \times \underline{\quad} \quad 1 \times 5 = 5 \times \underline{\quad} \quad 7 \times 4 = \underline{\quad} \times 7$$

$$3 \times 9 = \underline{\quad} \times 3 \quad \underline{\quad} \times 4 = 4 \times 8 \quad \underline{\quad} \times 4 = 4 \times 3 \quad 9 \times 6 = \underline{\quad} \times 9 \quad 5 \times 6 = \underline{\quad} \times 5$$

$$6 \times 3 = \underline{\quad} \times 6 \quad 7 \times \underline{\quad} = 1 \times 7 \quad 7 \times 3 = 3 \times \underline{\quad} \quad 6 \times \underline{\quad} = 9 \times 6 \quad 4 \times 3 = \underline{\quad} \times 4$$

$$5 \times \underline{\quad} = 8 \times 5 \quad 4 \times 2 = \underline{\quad} \times 4 \quad \underline{\quad} \times 7 = 7 \times 2 \quad 3 \times \underline{\quad} = 2 \times 3 \quad 8 \times 9 = \underline{\quad} \times 8$$

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| | | | |
|---|--|--|--|
| $7 \times 6 \times 3 = \underline{\hspace{1cm}} \times 6 \times 7$ | $6 \times \underline{\hspace{1cm}} \times 4 = 0 \times 6 \times 4$ | $8 \times 5 \times 4 = 4 \times \underline{\hspace{1cm}} \times 8$ | $6 \times \underline{\hspace{1cm}} \times 2 = 2 \times 5 \times 6$ |
| $4 \times 3 \times 5 = 5 \times \underline{\hspace{1cm}} \times 4$ | $4 \times 1 \times 8 = 8 \times 1 \times \underline{\hspace{1cm}}$ | $9 \times 7 \times 6 = \underline{\hspace{1cm}} \times 7 \times 9$ | $4 \times 3 \times 1 = \underline{\hspace{1cm}} \times 3 \times 4$ |
| $8 \times 2 \times 1 = 1 \times \underline{\hspace{1cm}} \times 8$ | $5 \times \underline{\hspace{1cm}} \times 3 = 3 \times 5 \times 0$ | $7 \times 6 \times 4 = 4 \times \underline{\hspace{1cm}} \times 7$ | $3 \times 6 \times 8 = 8 \times \underline{\hspace{1cm}} \times 3$ |
| $6 \times 3 \times 5 = \underline{\hspace{1cm}} \times 3 \times 6$ | $8 \times \underline{\hspace{1cm}} \times 6 = 8 \times 6 \times 3$ | $\underline{\hspace{1cm}} \times 4 \times 3 = 6 \times 3 \times 4$ | $2 \times 1 \times 0 = \underline{\hspace{1cm}} \times 1 \times 2$ |
| $8 \times 5 \times 4 = \underline{\hspace{1cm}} \times 4 \times 8$ | $1 \times \underline{\hspace{1cm}} \times 4 = 1 \times 4 \times 3$ | $3 \times 2 \times 0 = \underline{\hspace{1cm}} \times 3 \times 2$ | $4 \times 3 \times 6 = 3 \times \underline{\hspace{1cm}} \times 4$ |
| $9 \times 1 \times 4 = 4 \times \underline{\hspace{1cm}} \times 9$ | $5 \times 6 \times \underline{\hspace{1cm}} = 6 \times 5 \times 2$ | $0 \times \underline{\hspace{1cm}} \times 3 = 1 \times 3 \times 0$ | $5 \times 3 \times \underline{\hspace{1cm}} = 6 \times 3 \times 5$ |
| $10 \times 2 \times 3 = \underline{\hspace{1cm}} \times 3 \times 2$ | $\underline{\hspace{1cm}} \times 3 \times 1 = 5 \times 1 \times 3$ | $4 \times 10 \times \underline{\hspace{1cm}} = 1 \times 10 \times 4$ | $7 \times 8 \times 9 = \underline{\hspace{1cm}} \times 9 \times 7$ |

| NAME | DATE | CLASS | TIME | COUNT |
|-----------------|----------------|----------------|------|----------------|
| $6 \times 2 =$ | $7 \times 4 =$ | $2 \times 1 =$ | | $0 \times 5 =$ |
| $2 \times 6 =$ | $4 \times 7 =$ | $1 \times 2 =$ | | $5 \times 0 =$ |
| $5 \times 3 =$ | $5 \times 6 =$ | $4 \times 9 =$ | | $3 \times 6 =$ |
| $3 \times 5 =$ | $6 \times 5 =$ | $9 \times 4 =$ | | $6 \times 3 =$ |
| $7 \times 6 =$ | $4 \times 6 =$ | $2 \times 3 =$ | | $8 \times 9 =$ |
| $6 \times 7 =$ | $6 \times 4 =$ | $3 \times 2 =$ | | $9 \times 8 =$ |
| $8 \times 7 =$ | $4 \times 3 =$ | $7 \times 9 =$ | | $4 \times 5 =$ |
| $7 \times 8 =$ | $3 \times 4 =$ | $9 \times 7 =$ | | $5 \times 4 =$ |
| $2 \times 5 =$ | $4 \times 5 =$ | $9 \times 8 =$ | | $8 \times 4 =$ |
| $5 \times 2 =$ | $5 \times 4 =$ | $8 \times 9 =$ | | $0 \times 8 =$ |
| $7 \times 10 =$ | $6 \times 8 =$ | $9 \times 5 =$ | | $8 \times 0 =$ |
| $10 \times 7 =$ | $8 \times 6 =$ | $5 \times 9 =$ | | $7 \times 4 =$ |
| | | | | $4 \times 7 =$ |
| | | | | $0 \times 3 =$ |
| | | | | $3 \times 0 =$ |

| NAME | DATE | CLASS | TIME | COUNT |
|-------------|-------------|-------------|-------------|-------|
| 4 x 2 x 6 = | 7 x 3 x 2 = | 8 x 2 x 6 = | 5 x 7 x 3 = | |
| 6 x 4 x 2 = | 3 x 2 x 7 = | 2 x 8 x 6 = | 5 x 3 x 7 = | |
| 5 x 4 x 7 = | 7 x 3 x 1 = | 6 x 2 x 1 = | 2 x 3 x 8 = | |
| 7 x 5 x 4 = | 3 x 7 x 1 = | 6 x 1 x 2 = | 3 x 2 x 8 = | |
| 5 x 4 x 7 = | 0 x 5 x 3 = | 0 x 7 x 5 = | 3 x 6 x 9 = | |
| 4 x 5 x 7 = | 3 x 5 x 0 = | 7 x 5 x 0 = | 9 x 3 x 6 = | |
| 9 x 6 x 2 = | 2 x 9 x 4 = | 7 x 7 x 4 = | 7 x 3 x 4 = | |
| 2 x 6 x 9 = | 4 x 9 x 2 = | 4 x 7 x 7 = | 3 x 4 x 7 = | |
| 6 x 5 x 6 = | 3 x 7 x 6 = | 6 x 1 x 3 = | 4 x 0 x 7 = | |
| 5 x 6 x 6 = | 7 x 6 x 3 = | 1 x 6 x 3 = | 7 x 0 x 4 = | |

Using multiplication facts to solve division. To 5 X 10, including 0

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$$4 \div 2 = \underline{\quad}$$

$$2 \times \underline{\quad} = 4$$

$$10 \div 5 = \underline{\quad}$$

$$5 \times \underline{\quad} = 10$$

$$20 \div 5 = \underline{\quad}$$

$$5 \times \underline{\quad} = 20$$

$$6 \div 2 = \underline{\quad}$$

$$2 \times \underline{\quad} = 6$$

313

$$8 \div 2 = \underline{\quad}$$

$$2 \times \underline{\quad} = 8$$

$$18 \div 3 = \underline{\quad}$$

$$3 \times \underline{\quad} = 18$$

$$20 \div 2 = \underline{\quad}$$

$$2 \times \underline{\quad} = 20$$

$$15 \div 5 = \underline{\quad}$$

$$5 \times \underline{\quad} = 3$$

$$9 \div 3 = \underline{\quad}$$

$$3 \times \underline{\quad} = 9$$

$$14 \div 2 = \underline{\quad}$$

$$2 \times \underline{\quad} = 14$$

$$12 \div 4 = \underline{\quad}$$

$$4 \times \underline{\quad} = 12$$

$$16 \div 4 = \underline{\quad}$$

$$4 \times \underline{\quad} = 16$$

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$$\begin{array}{l} 3 \overline{)6} \\ 3 \times \underline{\quad} = 6 \end{array} \quad \begin{array}{l} 4 \overline{)8} \\ 4 \times \underline{\quad} = 8 \end{array} \quad \begin{array}{l} 2 \overline{)20} \\ 2 \times \underline{\quad} = 20 \end{array} \quad \begin{array}{l} 8 \overline{)16} \\ 8 \times \underline{\quad} = 16 \end{array}$$

314

$$\begin{array}{l} 3 \overline{)12} \\ 3 \times \underline{\quad} = 12 \end{array} \quad \begin{array}{l} 3 \overline{)24} \\ 3 \times \underline{\quad} = 24 \end{array} \quad \begin{array}{l} 3 \overline{)30} \\ 3 \times \underline{\quad} = 30 \end{array} \quad \begin{array}{l} 3 \overline{)18} \\ 3 \times \underline{\quad} = 18 \end{array}$$

$$\begin{array}{l} 4 \overline{)40} \\ 4 \times \underline{\quad} = 40 \end{array} \quad \begin{array}{l} 5 \overline{)50} \\ 5 \times \underline{\quad} = 50 \end{array} \quad \begin{array}{l} 4 \overline{)28} \\ 4 \times \underline{\quad} = 28 \end{array} \quad \begin{array}{l} 2 \overline{)10} \\ 2 \times \underline{\quad} = 10 \end{array}$$

$$\begin{array}{l} 4 \overline{)16} \\ 4 \times \underline{\quad} = 16 \end{array} \quad \begin{array}{l} 5 \overline{)20} \\ 5 \times \underline{\quad} = 20 \end{array} \quad \begin{array}{l} 3 \overline{)24} \\ 3 \times \underline{\quad} = 24 \end{array}$$

Dividing problems through $50 \div 5$

| NAME | DATE | CLASS | TIME | COUNT |
|------|--------------------|--------------------|--------------------|--------------------|
| | $10 \div 2 =$ | $20 \div 2 =$ | $14 \div 2 =$ | $22 \div 2 =$ |
| | $16 \div 2 =$ | | | |
| | $24 \div 2 =$ | $18 \div 2 =$ | $26 \div 2 =$ | $40 \div 2 =$ |
| | $28 \div 2 =$ | | | |
| | $42 \div 2 =$ | $48 \div 2 =$ | $44 \div 2 =$ | $22 \div 2 =$ |
| | $46 \div 2 =$ | | | |
| | $2 \overline{)10}$ | $2 \overline{)20}$ | $2 \overline{)14}$ | $2 \overline{)22}$ |
| | $2 \overline{)16}$ | | | |
| | $2 \overline{)24}$ | $2 \overline{)26}$ | $2 \overline{)40}$ | $2 \overline{)28}$ |
| | $2 \overline{)42}$ | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| $12 \div 3 =$ | $18 \div 3 =$ | $39 \div 3 =$ | $27 \div 3 =$ | $36 \div 3 =$ |
| $21 \div 3 =$ | $33 \div 3 =$ | $15 \div 3 =$ | $3 \overline{)12}$ | $3 \overline{)15}$ |
| . 317 | $3 \overline{)39}$ | $3 \overline{)27}$ | $3 \overline{)36}$ | $3 \overline{)21}$ |
| $3 \overline{)33}$ | $4 \overline{)12}$ | $4 \overline{)16}$ | $4 \overline{)28}$ | $4 \overline{)32}$ |
| $4 \overline{)48}$ | $4 \overline{)24}$ | $4 \overline{)40}$ | | |

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| $12 \div 4 =$ | $28 \div 4 =$ | $48 \div 4 =$ | $44 \div 4 =$ | $24 \div 4 =$ |
| $20 \div 4 =$ | $36 \div 4 =$ | $16 \div 4 =$ | $32 \div 4 =$ | $40 \div 4 =$ |
| $4 \overline{)12}$ | $4 \overline{)16}$ | $4 \overline{)28}$ | $4 \overline{)32}$ | $4 \overline{)48}$ |
| $4 \overline{)24}$ | $4 \overline{)20}$ | $4 \overline{)36}$ | $5 \overline{)10}$ | $5 \overline{)50}$ |
| $5 \overline{)15}$ | $5 \overline{)45}$ | $5 \overline{)40}$ | $5 \overline{)30}$ | $5 \overline{)20}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| $10 \div 5 =$ | $25 \div 5 =$ | $15 \div 5 =$ | $45 \div 5 =$ | $50 \div 5 =$ |
| $40 \div 5 =$ | $40 \div 5 =$ | $30 \div 5 =$ | $20 \div 5 =$ | $35 \div 5 =$ |
| $5 \overline{)10}$ | $5 \overline{)25}$ | $5 \overline{)50}$ | $5 \overline{)15}$ | $5 \overline{)45}$ |
| $5 \overline{)40}$ | $5 \overline{)30}$ | $5 \overline{)20}$ | $5 \overline{)35}$ | $4 \overline{)40}$ |
| $4 \overline{)36}$ | $4 \overline{)48}$ | $4 \overline{)32}$ | $4 \overline{)28}$ | $4 \overline{)16}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|---------------|---------------|---------------|---------------|---------------|
| $20 \div 5 =$ | $21 \div 3 =$ | $15 \div 5 =$ | $28 \div 4 =$ | $27 \div 3 =$ |
| $15 \div 3 =$ | $12 \div 3 =$ | $45 \div 5 =$ | $12 \div 4 =$ | $36 \div 4 =$ |
| $35 \div 5 =$ | $24 \div 3 =$ | $18 \div 2 =$ | $14 \div 2 =$ | $12 \div 3 =$ |
| $18 \div 2 =$ | $30 \div 5 =$ | $25 \div 5 =$ | $16 \div 2 =$ | $10 \div 2 =$ |
| $10 \div 5 =$ | $40 \div 5 =$ | $32 \div 4 =$ | $24 \div 4 =$ | $16 \div 4 =$ |

Dividing 2,3,4,5 and 1 into 0.

| NAME | DATE | CLASS | TIME | COUNT |
|---------|------|-------|------|-------|
| 250 | 350 | 450 | 150 | 450 |
| 550 | 350 | 250 | 550 | 450 |
| 322 550 | 150 | 450 | 350 | 250 |
| 550 | 150 | 250 | 550 | 450 |
| 350 | 450 | 350 | 450 | 350 |
| 550 | 250 | 450 | 350 | 250 |

Filling-in frames, missing quotient.

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$$\begin{array}{r} 5 \overline{) 5} \\ 2 \end{array}$$

$$\begin{array}{r} 9 \overline{) 9} \\ 2 \end{array}$$

$$\begin{array}{r} 4 \overline{) 4} \\ 4 \end{array}$$

$$\begin{array}{r} 4 \overline{) 4} \\ 2 \end{array}$$

$$\begin{array}{r} 5 \overline{) 5} \\ 5 \end{array}$$

$$\begin{array}{r} 5 \overline{) 5} \\ 3 \end{array}$$

$$\begin{array}{r} 6 \overline{) 6} \\ 2 \end{array}$$

$$\begin{array}{r} 5 \overline{) 5} \\ 3 \end{array}$$

$$\begin{array}{r} 4 \overline{) 4} \\ 5 \end{array}$$

$$\begin{array}{r} 4 \overline{) 8} \\ 4 \end{array}$$

$$\begin{array}{r} 9 \overline{) 9} \\ 1 \end{array}$$

$$\begin{array}{r} 8 \overline{) 8} \\ 2 \end{array}$$

$$\begin{array}{r} 9 \overline{) 9} \\ 3 \end{array}$$

$$\begin{array}{r} 6 \overline{) 6} \\ 4 \end{array}$$

$$\begin{array}{r} 9 \overline{) 9} \\ 5 \end{array}$$

$$\begin{array}{r} 6 \overline{) 6} \\ 3 \end{array}$$

$$\begin{array}{r} 7 \overline{) 7} \\ 3 \end{array}$$

$$\begin{array}{r} 4 \overline{) 4} \\ 4 \end{array}$$

$$\begin{array}{r} 4 \overline{) 4} \\ 5 \end{array}$$

$$\begin{array}{r} 7 \overline{) 7} \\ 2 \end{array}$$

$$\begin{array}{r} 7 \overline{) 7} \\ 2 \end{array}$$

$$\begin{array}{r} 9 \overline{) 9} \\ 3 \end{array}$$

$$\begin{array}{r} 8 \overline{) 8} \\ 5 \end{array}$$

$$\begin{array}{r} 9 \overline{) 9} \\ 4 \end{array}$$

$$\begin{array}{r} 7 \overline{) 7} \\ 3 \end{array}$$

$$\begin{array}{r} 5 \overline{) 5} \\ 3 \end{array}$$

$$\begin{array}{r} 6 \overline{) 6} \\ 4 \end{array}$$

$$\begin{array}{r} 7 \overline{) 7} \\ 5 \end{array}$$

$$\begin{array}{r} 6 \overline{) 6} \\ 2 \end{array}$$

$$\begin{array}{r} 3 \overline{) 3} \\ 4 \end{array}$$

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$$\begin{array}{r} 3 \overline{)15} \\ 3 \overline{)27} \end{array}$$

$$\begin{array}{r} 1 \overline{)9} \end{array}$$

$$\begin{array}{r} 3 \overline{)6} \end{array}$$

$$\begin{array}{r} 2 \overline{)14} \end{array}$$

$$\begin{array}{r} 3 \overline{)21} \end{array}$$

$$\begin{array}{r} 2 \overline{)16} \end{array}$$

$$\begin{array}{r} 3 \overline{)21} \end{array}$$

$$\begin{array}{r} 4 \overline{)24} \end{array}$$

$$\begin{array}{r} 3 \overline{)15} \end{array}$$

$$\begin{array}{r} 3 \overline{)27} \end{array}$$

$$\begin{array}{r} 4 \overline{)16} \end{array}$$

$$\begin{array}{r} 3 \overline{)35} \end{array}$$

$$\begin{array}{r} 4 \overline{)36} \end{array}$$

$$\begin{array}{r} 4 \overline{)24} \end{array}$$

$$\begin{array}{r} 5 \overline{)20} \end{array}$$

$$\begin{array}{r} 3 \overline{)12} \end{array}$$

$$\begin{array}{r} 3 \overline{)9} \end{array}$$

$$\begin{array}{r} 2 \overline{)8} \end{array}$$

$$\begin{array}{r} 4 \overline{)32} \end{array}$$

$$\begin{array}{r} 5 \overline{)15} \end{array}$$

$$\begin{array}{r} 5 \overline{)10} \end{array}$$

$$\begin{array}{r} 4 \overline{)28} \end{array}$$

$$\begin{array}{r} 2 \overline{)6} \end{array}$$

$$\begin{array}{r} 3 \overline{)6} \end{array}$$

$$\begin{array}{r} 5 \overline{)40} \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT | |
|----------------|----------------|----------------|----------------|----------------|--|
| $\frac{3}{12}$ | $\frac{7}{14}$ | $\frac{7}{35}$ | $\frac{6}{24}$ | $\frac{5}{15}$ | |
| $\frac{7}{21}$ | $\frac{9}{36}$ | $\frac{8}{40}$ | $\frac{9}{27}$ | $\frac{7}{14}$ | |
| $\frac{6}{18}$ | $\frac{7}{21}$ | $\frac{4}{16}$ | $\frac{4}{20}$ | $\frac{9}{9}$ | |
| $\frac{9}{45}$ | $\frac{6}{24}$ | $\frac{9}{27}$ | $\frac{8}{16}$ | $\frac{7}{14}$ | |
| $\frac{8}{32}$ | $\frac{4}{20}$ | $\frac{3}{15}$ | $\frac{6}{12}$ | $\frac{5}{15}$ | |
| $\frac{5}{25}$ | $\frac{4}{12}$ | $\frac{4}{16}$ | $\frac{5}{10}$ | $\frac{7}{21}$ | |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 3)15 | 4)4 | 1)12 | 5)35 | 2)18 |
| 4)24 | 7)21 | 4)32 | 9)9 | 2)14 |
| 8)40 | 2)14 | 9)27 | 4)5 | 5)45 |
| 4)36 | 3)15 | 5)10 | 2)12 | 7)21 |
| 3)6 | 2)16 | 4)36 | 2)16 | 5)5 |
| 2)4 | 2)14 | 5)35 | 4)12 | 9)36 |

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$$\begin{array}{r} 5 \\ 15 \end{array}$$

$$\begin{array}{r} 4 \\ 20 \end{array}$$

$$\begin{array}{r} 6 \\ 3 \end{array}$$

$$\begin{array}{r} 2 \\ 18 \end{array}$$

$$\begin{array}{r} 4 \\ 16 \end{array}$$

$$\begin{array}{r} 1 \\ 9 \end{array}$$

$$\begin{array}{r} 7 \\ 2 \end{array}$$

$$\begin{array}{r} 4 \\ 16 \end{array}$$

$$\begin{array}{r} 5 \\ 10 \end{array}$$

$$\begin{array}{r} 3 \\ 21 \end{array}$$

$$\begin{array}{r} 5 \\ 45 \end{array}$$

$$\begin{array}{r} 4 \\ 24 \end{array}$$

$$\begin{array}{r} 8 \\ 40 \end{array}$$

$$\begin{array}{r} 3 \\ 27 \end{array}$$

$$\begin{array}{r} 5 \\ 15 \end{array}$$

$$\begin{array}{r} 3 \\ 12 \end{array}$$

$$\begin{array}{r} 2 \\ 14 \end{array}$$

$$\begin{array}{r} 7 \\ 35 \end{array}$$

$$\begin{array}{r} 6 \\ 24 \end{array}$$

$$\begin{array}{r} 9 \\ 27 \end{array}$$

$$\begin{array}{r} 4 \\ 32 \end{array}$$

$$\begin{array}{r} 4 \\ 20 \end{array}$$

$$\begin{array}{r} 3 \\ 15 \end{array}$$

$$\begin{array}{r} 2 \\ 12 \end{array}$$

$$\begin{array}{r} 5 \\ 3 \end{array}$$

$$\begin{array}{r} 9 \\ 27 \end{array}$$

$$\begin{array}{r} 4 \\ 36 \end{array}$$

$$\begin{array}{r} 8 \\ 16 \end{array}$$

$$\begin{array}{r} 2 \\ 14 \end{array}$$

$$\begin{array}{r} 7 \\ 35 \end{array}$$

Using repeated addition to solve multiplication problems. 1 place times 1,2,3, place number. Combinations 9X9.

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| | | | | | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| $2 \times 1 = \underline{2}$ | $3 \times 4 = \underline{12}$ | $4 \times 5 = \underline{20}$ | $4 \times 0 = \underline{0}$ | $5 \times 0 = \underline{0}$ | $4 \times 1 = \underline{4}$ | $4 \times 2 = \underline{8}$ | $2 \times 5 = \underline{10}$ |
| $3 \times 2 = \underline{6}$ | $4 \times 8 = \underline{32}$ | $4 \times 0 = \underline{0}$ | $5 \times 7 = \underline{35}$ | $4 \times 9 = \underline{36}$ | $5 \times 1 = \underline{5}$ | $2 \times 8 = \underline{16}$ | $3 \times 5 = \underline{15}$ |
| $5 \times 6 = \underline{30}$ | $0 \times 1 = \underline{0}$ | $0 \times 6 = \underline{0}$ | $0 \times 2 = \underline{0}$ | $4 \times 9 = \underline{36}$ | $2 \times 7 = \underline{14}$ | $3 \times 8 = \underline{24}$ | $5 \times 9 = \underline{45}$ |
| $5 \times 0 = \underline{0}$ | $4 \times 6 = \underline{24}$ | $5 \times 3 = \underline{15}$ | $2 \times 0 = \underline{0}$ | $2 \times 4 = \underline{8}$ | $3 \times 0 = \underline{0}$ | $4 \times 2 = \underline{8}$ | $5 \times 9 = \underline{45}$ |
| $0 \times 3 = \underline{0}$ | $3 \times 3 = \underline{9}$ | $4 \times 7 = \underline{28}$ | $2 \times 6 = \underline{12}$ | $1 \times 4 = \underline{4}$ | $5 \times 4 = \underline{20}$ | $3 \times 1 = \underline{3}$ | $1 \times 2 = \underline{2}$ |
| $2 \times 3 = \underline{6}$ | $1 \times 1 = \underline{1}$ | $3 \times 6 = \underline{18}$ | $1 \times 5 = \underline{5}$ | $2 \times 2 = \underline{4}$ | $1 \times 6 = \underline{6}$ | $0 \times 4 = \underline{0}$ | $0 \times 5 = \underline{0}$ |

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$$5 \times 5 = 5 + 5 + 5 + 5 + 5 = \underline{\hspace{2cm}} \quad 4 \times 7 = 7 + 7 + 7 + 7 = \underline{\hspace{2cm}} \quad 8 \times 2 = 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 = \underline{\hspace{2cm}}$$

$$2 \times 3 = 3 + 3 = \underline{\hspace{2cm}} \quad 7 \times 6 = 6 + 6 + 6 + 6 + 6 + 6 = \underline{\hspace{2cm}} \quad 4 \times 8 = 8 + 8 + 8 + 8 = \underline{\hspace{2cm}}$$

$$9 \times 6 = 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 = \underline{\hspace{2cm}} \quad 3 \times 8 = 8 + 8 + 8 = \underline{\hspace{2cm}} \quad 9 \times 9 = 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 = \underline{\hspace{2cm}}$$

$$7 \times 5 = 5 + 5 + 5 + 5 + 5 + 5 = \underline{\hspace{2cm}} \quad 8 \times 7 = 7 + 7 + 7 + 7 + 7 + 7 + 7 = \underline{\hspace{2cm}} \quad 8 \times 5 = 5 + 5 + 5 + 5 + 5 + 5 + 5 = \underline{\hspace{2cm}}$$

$$6 \times 6 = 6 + 6 + 6 + 6 + 6 + 6 = \underline{\hspace{2cm}} \quad 4 \times 6 = 6 + 6 + 6 + 6 = \underline{\hspace{2cm}} \quad 6 \times 1 = 1 + 1 + 1 + 1 + 1 + 1 = \underline{\hspace{2cm}}$$

$$3 \times 5 = 5 + 5 + 5 = \underline{\hspace{2cm}} \quad 8 \times 4 = 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \underline{\hspace{2cm}} \quad 9 \times 0 = 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 = \underline{\hspace{2cm}}$$

$$6 \times 2 = 2 + 2 + 2 + 2 + 2 + 2 = \underline{\hspace{2cm}} \quad 2 \times 7 = 7 + 7 = \underline{\hspace{2cm}} \quad 6 \times 5 = 5 + 5 + 5 + 5 + 5 + 5 = \underline{\hspace{2cm}}$$

$$3 \times 9 = 9 + 9 + 9 = \underline{\hspace{2cm}} \quad 5 \times 9 = 9 + 9 + 9 + 9 + 9 = \underline{\hspace{2cm}} \quad 7 \times 6 = 6 + 6 + 6 + 6 + 6 + 6 = \underline{\hspace{2cm}}$$

$$4 \times 4 = 4 + 4 + 4 + 4 = \underline{\hspace{2cm}} \quad 9 \times 8 = 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 + 8 = \underline{\hspace{2cm}} \quad 4 \times 6 = 6 + 6 + 6 + 6 = \underline{\hspace{2cm}}$$

$$7 \times 8 = 8 + 8 + 8 + 8 + 8 + 8 + 8 = \underline{\hspace{2cm}} \quad 6 \times 3 = 3 + 3 + 3 + 3 + 3 + 3 = \underline{\hspace{2cm}} \quad 4 \times 5 = 5 + 5 + 5 + 5 = \underline{\hspace{2cm}}$$

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$$\begin{array}{r} 53 \\ 53 \\ + 53 \\ \hline \end{array}$$

$$3 \times 53 =$$

$$\begin{array}{r} 27 \\ 27 \\ 27 \\ 27 \\ 27 \\ + 27 \\ \hline \end{array}$$

$$6 \times 27 =$$

$$\begin{array}{r} 38 \\ + 38 \\ \hline \end{array}$$

$$2 \times 38 =$$

$$\begin{array}{r} 30 \\ 30 \\ 30 \\ 30 \\ + 30 \\ \hline \end{array}$$

$$5 \times 30 =$$

$$\begin{array}{r} 11 \\ 11 \\ 11 \\ 11 \\ 11 \\ + 11 \\ \hline \end{array}$$

$$6 \times 11 =$$

$$\begin{array}{r} 34 \\ 34 \\ 34 \\ 34 \\ 34 \\ 34 \\ + 34 \\ \hline \end{array}$$

$$7 \times 34 =$$

$$\begin{array}{r} 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ 25 \\ + 25 \\ \hline \end{array}$$

$$9 \times 25 =$$

$$\begin{array}{r} 51 \\ 51 \\ 51 \\ 51 \\ 51 \\ 51 \\ + 51 \\ \hline \end{array}$$

$$8 \times 51 =$$

$$\begin{array}{r} 22 \\ 22 \\ 22 \\ 22 \\ 22 \\ + 22 \\ \hline \end{array}$$

$$6 \times 22 =$$

$$\begin{array}{r} 25 \\ + 25 \\ \hline \end{array}$$

$$2 \times 25 =$$

$$\begin{array}{r} 49 \\ 49 \\ 49 \\ + 49 \\ \hline \end{array}$$

$$4 \times 49 =$$

$$\begin{array}{r} 42 \\ 42 \\ + 42 \\ \hline \end{array}$$

$$3 \times 42 =$$

$$\begin{array}{r} 14 \\ 14 \\ 14 \\ 14 \\ + 14 \\ \hline \end{array}$$

$$5 \times 14 =$$

| NAME | DATE | CLASS | TIME | COUNT |
|-----------|--|-----------|--|--|
| 6 x 557 = | 557 557 557 557 557 <u>+557</u> | 7 x 699 = | 699 699 699 699 699 <u>+699</u> | 5,296 = 296 296 296 296 <u>+296</u> |
| 2 x 256 = | 256 <u>+256</u> | 9 x 769 = | 769 769 769 769 769 <u>+769</u> | 8 x 766 = 766 766 766 766 766 766 <u>+766</u> |
| 3 x 626 = | 626 626 <u>+626</u> | | | |
| 8 x 447 = | 447 447 447 447 447 447 447 <u>+447</u> | 5 x 562 = | 562 562 562 562 <u>+562</u> | 3,324 = 324 324 324 <u>+324</u> |
| 4 x 487 | 487 487 487 <u>+487</u> | 2 x 371 = | 371 <u>+371</u> | 6 x 922 = 922 922 922 922 922 <u>+922</u> |

Timed testing products through 9 X 9

| NAME | DATE | CLASS | TIME | COUNT |
|----------------|----------------|----------------|----------------|----------------|
| $6 \times 7 =$ | $1 \times 8 =$ | $9 \times 7 =$ | $0 \times 8 =$ | $6 \times 8 =$ |
| $5 \times 5 =$ | | | | |
| $8 \times 6 =$ | $6 \times 7 =$ | $7 \times 8 =$ | $8 \times 7 =$ | $7 \times 9 =$ |
| $9 \times 9 =$ | $8 \times 9 =$ | $6 \times 5 =$ | $5 \times 8 =$ | $5 \times 5 =$ |
| $9 \times 4 =$ | | | | |
| $5 \times 7 =$ | $8 \times 8 =$ | $4 \times 6 =$ | $6 \times 8 =$ | $4 \times 9 =$ |
| $7 \times 6 =$ | | | | |
| $0 \times 9 =$ | $4 \times 7 =$ | $3 \times 7 =$ | $6 \times 4 =$ | $3 \times 8 =$ |
| $3 \times 6 =$ | | | | |
| $2 \times 8 =$ | $3 \times 9 =$ | $2 \times 9 =$ | $2 \times 7 =$ | $1 \times 9 =$ |
| $4 \times 8 =$ | | | | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | |
|---|---|---|---|---|---|
| X | 7 | 9 | 6 | 8 | 2 |
| 5 | | | | | |
| 0 | | | | | |
| 4 | | | | | |
| 1 | | | | | |
| 3 | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X | 4 | 9 | 7 | 8 | 5 | 3 | 1 | 6 | 2 | 0 |
| 9 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 6 | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| X | 0 | 6 | 9 | 7 | 8 | 3 | 5 | 4 | 1 | 2 |
| 8 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 9 | | | | | | | | | | |

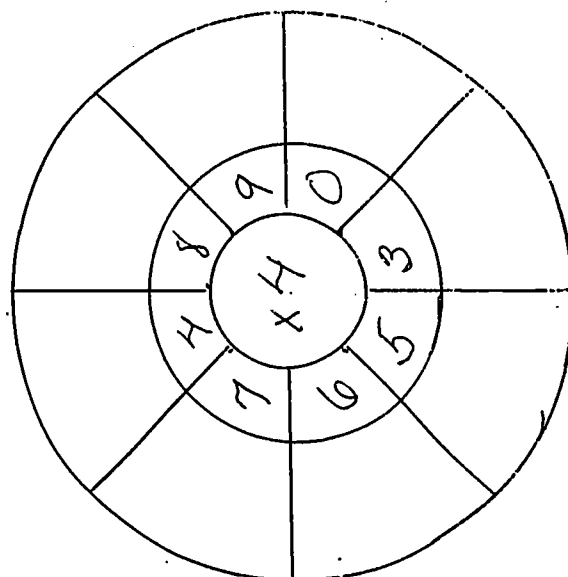
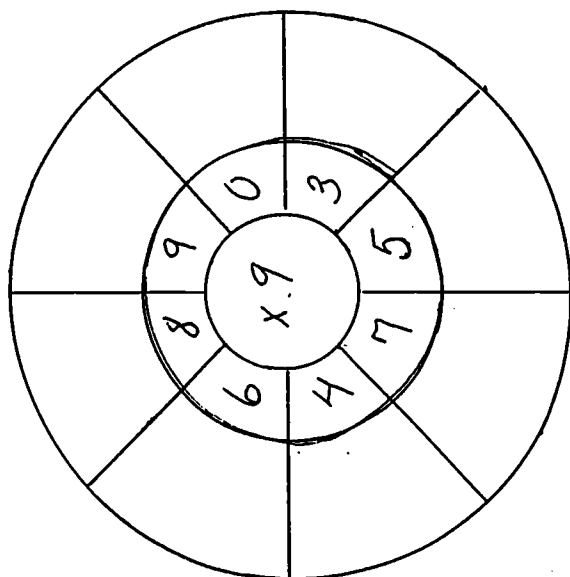
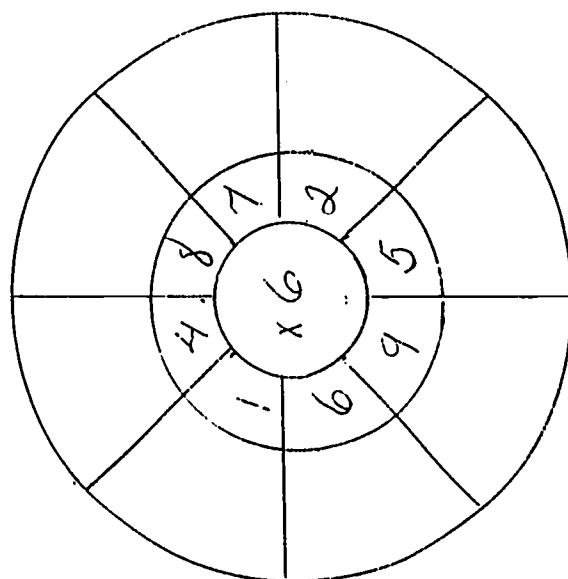
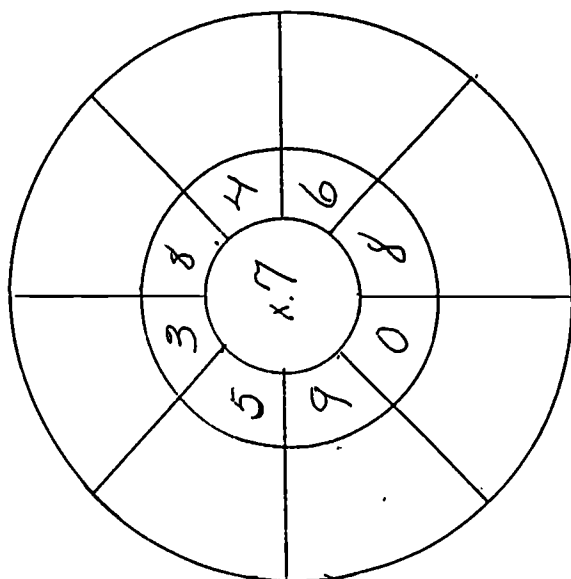
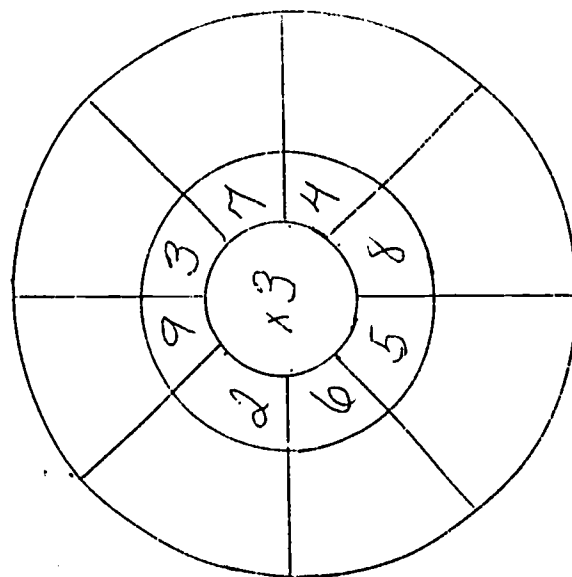
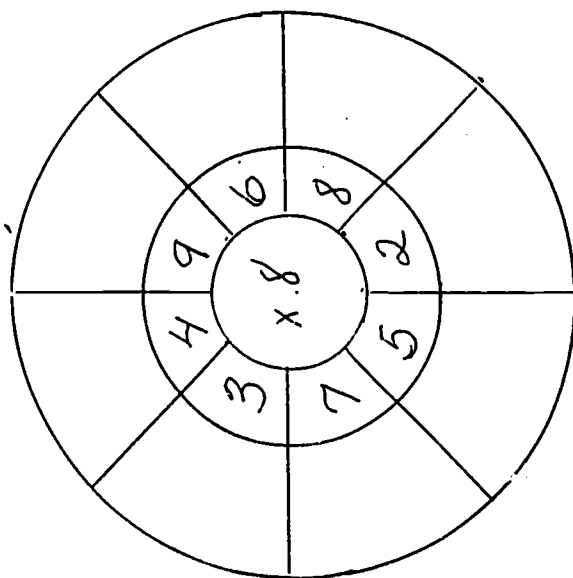
COUNT

TIME

CLASS

DATE

NAME



Using commutative principle for multiplication. Solving problems, 1 place times
2 place factor.

| NAME | DATE | CLASS | TIME | COUNT |
|------|--|---------------|--|---------------|
| | $21 \times 5 = \underline{\hspace{1cm}}$ | 5×21 | $23 \times 3 = \underline{\hspace{1cm}}$ | 23×3 |
| | $16 \times 3 = \underline{\hspace{1cm}}$ | 16×3 | $34 \times 4 = \underline{\hspace{1cm}}$ | 34×4 |
| | $18 \times 1 = \underline{\hspace{1cm}}$ | 18×1 | $23 \times 5 = \underline{\hspace{1cm}}$ | 23×5 |
| | $32 \times 7 = \underline{\hspace{1cm}}$ | 32×7 | | |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------------------------|------------------|------|------------------------|
| | 16 <u>x 2</u> | 2 <u>x 16</u> | | 24 <u>x 3</u> |
| | 16 x 2 = <u> </u> | | | 24 x 3 = <u> </u> |
| | 31 <u>x 8</u> | 8 <u>x 31</u> | | 27 <u>x 1</u> |
| | 31 x 8 = <u> </u> | | | 27 x 1 = <u> </u> |
| | 15 <u>x 2</u> | 2 <u>x 15</u> | | 23 <u>x 4</u> |
| | 15 x 2 = <u> </u> | | | 23 x 4 = <u> </u> |
| | 33 <u>x 2</u> | 2 <u>x 33</u> | | |
| | 33 x 2 = <u> </u> | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------------------|------------------|------------------|------------------|
| | $20 \times 9 =$ | $9 \times 20 =$ | $6 \times 50 =$ | $50 \times 6 =$ |
| | $5 \times 30 =$ | $30 \times 5 =$ | $9 \times 40 =$ | $40 \times 9 =$ |
| | $4 \times 70 =$ | $70 \times 4 =$ | $80 \times 4 =$ | $4 \times 80 =$ |
| | $10 \times 35 =$ | $35 \times 10 =$ | $34 \times 10 =$ | $10 \times 34 =$ |
| | $7 \times 90 =$ | $90 \times 7 =$ | $8 \times 70 =$ | $70 \times 8 =$ |
| | $21 \times 10 =$ | $10 \times 21 =$ | $45 \times 10 =$ | $10 \times 45 =$ |
| | $3 \times 70 =$ | $70 \times 3 =$ | $10 \times 37 =$ | $37 \times 10 =$ |

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$$\begin{array}{r} 30 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 30 \\ \hline \end{array}$$

$$\underline{\quad} \times 30 = 240 \quad 8 \times \underline{\quad} = 240 \quad 8 \times 30 = \underline{\quad}$$

$$\begin{array}{r} 50 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 50 \\ \hline \end{array}$$

$$\underline{\quad} \times 50 = 200 \quad 4 \times \underline{\quad} = 200 \quad 4 \times 50 = \underline{\quad}$$

$$\begin{array}{r} 40 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 40 \\ \hline \end{array}$$

$$\underline{\quad} \times 40 = 320 \quad 8 \times \underline{\quad} = 320 \quad 8 \times 40 = \underline{\quad}$$

$$\begin{array}{r} 60 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 60 \\ \hline \end{array}$$

$$\underline{\quad} \times 60 = 180 \quad 3 \times \underline{\quad} = 180 \quad 3 \times 60 = \underline{\quad}$$

$$\begin{array}{r} 20 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 20 \\ \hline \end{array}$$

$$\underline{\quad} \times 20 = 160 \quad 8 \times \underline{\quad} = 160 \quad 8 \times 20 = \underline{\quad}$$

$$\begin{array}{r} 90 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 90 \\ \hline \end{array}$$

$$\underline{\quad} \times 90 = 360 \quad 4 \times \underline{\quad} = 360 \quad 4 \times 90 = \underline{\quad}$$

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$$6 \times 36 = \underline{\hspace{2cm}} \quad 42 \times 8 = \underline{\hspace{2cm}} \quad 4 \times 81 = \underline{\hspace{2cm}} \quad 36 \times 6 = \underline{\hspace{2cm}}$$

$$7 \times 35 = \underline{\hspace{2cm}} \quad 9 \times 87 = \underline{\hspace{2cm}} \quad 7 \times 57 = \underline{\hspace{2cm}} \quad 7 \times 51 = \underline{\hspace{2cm}} \quad 35 \times 7 = \underline{\hspace{2cm}}$$

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$$4 \times 93 = \underline{\hspace{2cm}} \quad 0 \times 39 = \underline{\hspace{2cm}} \quad 8 \times 64 = \underline{\hspace{2cm}} \quad 82 \times 6 = \underline{\hspace{2cm}} \quad 93 \times 4 = \underline{\hspace{2cm}}$$

$$94 \times 6 = \underline{\hspace{2cm}} \quad 3 \times 16 = \underline{\hspace{2cm}} \quad 6 \times 79 = \underline{\hspace{2cm}} \quad 4 \times 94 = \underline{\hspace{2cm}} \quad 6 \times 94 = \underline{\hspace{2cm}}$$

$$37 \times 5 = \underline{\hspace{2cm}} \quad 5 \times 23 = \underline{\hspace{2cm}} \quad 5 \times 86 = \underline{\hspace{2cm}} \quad 5 \times 37 = \underline{\hspace{2cm}} \quad 23 \times 5 = \underline{\hspace{2cm}}$$

$$7 \times 35 = \underline{\hspace{2cm}} \quad 4 \times 38 = \underline{\hspace{2cm}} \quad 9 \times 95 = \underline{\hspace{2cm}} \quad 4 \times 34 = \underline{\hspace{2cm}} \quad 9 \times 99 = \underline{\hspace{2cm}}$$

Using associative principle for multiplication. Multiplying more than 2 numbers with single digit factors.

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$$[2 \times 2] \times 1 = 2 \times [_ \times 1] \quad [2 \times 5] \times 2 = 2 \times [5 \times _]$$

$$[2 \times 1] \times 2 = 2 \times [1 \times _] \quad [4 \times 2] \times 1 = _ \times [2 \times 1]$$

$$345 \quad [2 \times 3] \times 2 = _ \times [3 \times 2] \quad [3 \times 2] \times 3 = 3 \times [_ \times 3]$$

$$[1 \times 4] \times 2 = 1 \times [_ \times 2] \quad [2 \times 6] \times 2 = 2 \times [6 \times _]$$

$$[4 \times 2] \times 3 = 4 \times [2 \times _] \quad [3 \times 3] \times 2 = 3 \times [_ \times 2]$$

$$[5 \times 1] \times 2 = 5 \times [1 \times _] \quad [3 \times 7] \times 2 = 3 \times [4 \times _]$$

$$[2 \times 5] \times 3 = _ \times [5 \times 3] \quad [7 \times 2] \times 2 = _ \times [2 \times 2]$$

| NAME | DATE | CLASS | TIME | COUNT |
|------|--|-------|--|-------|
| | $[2 \times 5] \times 1 = 2 \times [5 \times __]$ | | $[5 \times 4] \times 2 = __ \times [4 \times 2]$ | |
| | $[5 \times 3] \times 2 = 5 \times [__ \times 2]$ | | $[4 \times 4] \times 1 = 4 \times [__ \times 1]$ | |
| 345 | $[6 \times 5] \times 3 = __ \times [5 \times 3]$ | | $[2 \times 5] \times 2 = 2 \times [__ \times 2]$ | |
| | $[3 \times 3] \times 6 = 3 \times [__ \times 6]$ | | $[4 \times 2] \times 2 = __ \times [2 \times 2]$ | |
| | $[3 \times 5] \times 2 = __ \times [5 \times 2]$ | | $[5 \times 2] \times 2 = 5 \times [__ \times 2]$ | |
| | $[2 \times 6] \times 3 = 2 \times [6 \times __]$ | | $[2 \times 5] \times 5 = 2 \times [5 \times __]$ | |
| | $[8 \times 2] \times 3 = 8 \times [__ \times 3]$ | | $[3 \times 7] \times 2 = __ \times [7 \times 2]$ | |

| NAME | DATE | CLASS | TIME | COUNT |
|--|--|-------|------|-------|
| $(2 \times 3) \times 2 = 2 \times (3 \times 2) =$ $__ \times 2 = 2 \times 6 = __$ | $(3 \times 3) \times 3 = 3 \times (3 \times 3) =$ $9 \times 3 = 3 \times __ = __$ | | | |
| $(2 \times 4) \times 2 = 2 \times (4 \times 2) =$ $__ \times 2 = 2 \times __ = __$ | $(2 \times 2) \times 2 = 2 \times (__ \times 2) =$ $__ \times 2 = 2 \times __ = __$ | | | |
| $(5 \times 2) \times 3 = 5 \times (__ \times 3) =$ $__ \times __ = 5 \times 6 = __$ | $(3 \times 4) \times 2 = 3 \times (4 \times __) =$ $__ \times 2 = 2 \times __ = __$ | | | |
| $(1 \times 2) \times 2 = 1 \times (__ \times 2) =$ $__ \times 2 = 1 \times 4 = __$ | $(3 \times 1) \times 1 = 3 \times (1 \times __) =$ $__ \times 1 = __ \times 1 = __$ | | | |
| $(4 \times 1) \times 2 = 4 \times (1 \times 2) =$ $__ \times 2 = 4 \times __ = __$ | $(3 \times 2) \times 3 = 3 \times (2 \times 3) =$ $__ \times 3 = 3 \times __ = __$ | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|------|---|-------|------|---|
| | $(1 \times 2) \times 3 = 1 \times (2 \times \underline{\quad}) = \underline{\quad}$ | | | $(2 \times 1) \times 4 = \underline{\quad} \times (1 \times 4) = \underline{\quad}$ |
| | $(3 \times 1) \times 2 = \underline{\quad} \times (1 \times 2) = \underline{\quad}$ | | | $(1 \times 3) \times 4 = 1 \times (3 \times \underline{\quad}) = \underline{\quad}$ |
| | $(2 \times 3) \times 1 = 2 \times (\underline{\quad} \times 1) = \underline{\quad}$ | | | $(3 \times 3) \times 2 = 3 \times (\underline{\quad} \times 2) = \underline{\quad}$ |
| | $(2 \times 2) \times 1 = 2 \times (\underline{\quad} \times 1) = \underline{\quad}$ | | | $(2 \times 5) \times 1 = \underline{\quad} \times (5 \times 1) = \underline{\quad}$ |
| | $(3 \times 1) \times 3 = \underline{\quad} \times (1 \times 3) = \underline{\quad}$ | | | $(1 \times 5) \times 2 = 1 \times (5 \times \underline{\quad}) = \underline{\quad}$ |
| | $(2 \times 2) \times 3 = 2 \times (\underline{\quad} \times 3) = \underline{\quad}$ | | | $(4 \times 1) \times 2 = 4 \times (\underline{\quad} \times 2) = \underline{\quad}$ |
| | $(2 \times 2) \times 5 = 2 \times (2 \times \underline{\quad}) = \underline{\quad}$ | | | $(2 \times 3) \times 2 = 2 \times (3 \times \underline{\quad}) = \underline{\quad}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|------|---|-------|------|---|
| | $(3 \times 3) \times 4 = 3 \times (3 \times 4) =$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ | | | $(4 \times 2) \times 3 = \underline{\quad} \times (2 \times \underline{\quad}) =$ $= 3 \times \underline{\quad} = \underline{\quad}$ |
| | $(4 \times 3) \times 5 = 4 \times (\underline{\quad} \times 5) =$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ | | | $(2 \times 5) \times 3 = \underline{\quad} \times (\underline{\quad} \times 3)$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ |
| | $(1 \times 4) \times 2 = 1 \times (4 \times \underline{\quad})$ $1 \times \underline{\quad} = \underline{\quad}$ | | | $(2 \times 4) \times 2 = 2 \times (\underline{\quad} \times \underline{\quad})$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ |
| 349 | $(3 \times 4) \times 2 = 3 \times (4 \times \underline{\quad})$ $= 3 \times \underline{\quad} = \underline{\quad}$ | | | $(3 \times 3) \times 5 = 3 \times (\underline{\quad} \times 5)$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ |
| | $(3 \times 2) \times 3 = \underline{\quad} \times (2 \times 3)$ $= 3 \times \underline{\quad} = \underline{\quad}$ | | | $(5 \times 1) \times 2 = 5 \times (1 \times \underline{\quad})$ $= 5 \times \underline{\quad} = \underline{\quad}$ |
| | $(3 \times 5) \times 3 = 3 \times (\underline{\quad} \times 3)$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ | | | $(5 \times 2) \times 2 = 5 \times (\underline{\quad} \times 2)$ $= 5 \times \underline{\quad} = \underline{\quad}$ |
| | $(2 \times 6) \times 2 = 2 \times (6 \times \underline{\quad})$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ | | | $(2 \times 6) \times 3 = \underline{\quad} \times (\underline{\quad} \times \underline{\quad})$ $= \underline{\quad} \times \underline{\quad} = \underline{\quad}$ |

Using distributive principle to simplify multiplication problems.

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$$4 \times 16 = 4 \times (10 + 6) = \underline{\hspace{2cm}} \quad 5 \times 15 = 5 \times (10 + 5) = \underline{\hspace{2cm}} \quad 3 \times 12 = 3 \times (6 + 6) = \underline{\hspace{2cm}}$$

$$2 \times 19 = 2 \times (10 + 9) = \underline{\hspace{2cm}} \quad 7 \times 13 = 7 \times (6 + 7) = \underline{\hspace{2cm}} \quad 8 \times 17 = 8 \times (10 + 7) = \underline{\hspace{2cm}}$$

$$6 \times 14 = 6 \times (6 + 8) = \underline{\hspace{2cm}} \quad 1 \times 13 = 1 \times (10 + 3) = \underline{\hspace{2cm}} \quad 9 \times 12 = 9 \times (5 + 7) = \underline{\hspace{2cm}}$$

$$5 \times 17 = 5 \times (10 + 7) = \underline{\hspace{2cm}} \quad 3 \times 14 = 3 \times (10 + 4) = \underline{\hspace{2cm}} \quad 8 \times 20 = 8 \times (10 + 10) = \underline{\hspace{2cm}}$$

$$4 \times 19 = 4 \times (10 + 9) = \underline{\hspace{2cm}} \quad 2 \times 16 = 2 \times (8 + 8) = \underline{\hspace{2cm}} \quad 7 \times 21 = 7 \times (10 + 11) = \underline{\hspace{2cm}}$$

$$6 \times 13 = 6 \times (6 + 7) = \underline{\hspace{2cm}} \quad 1 \times 19 = 1 \times (10 + 9) = \underline{\hspace{2cm}} \quad 9 \times 14 = 9 \times (6 + 8) = \underline{\hspace{2cm}}$$

$$3 \times 22 = 3 \times (11 + 11) = \underline{\hspace{2cm}} \quad 4 \times 25 = 4 \times (11 \times 14) = \underline{\hspace{2cm}} \quad 5 \times 23 = 5 \times (11 + 12) = \underline{\hspace{2cm}}$$

$$7 \times 20 = 7 \times (10 + 10) = \underline{\hspace{2cm}} \quad 8 \times 24 = 8 \times (12 + 12) = \underline{\hspace{2cm}} \quad 2 \times 26 = 2 \times (13 + 13) = \underline{\hspace{2cm}}$$

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$$2 \times 26 = 2(13 + \underline{\quad}) = \underline{\quad} \quad 8 \times 24 = 8(12 + \underline{\quad}) = \underline{\quad} \quad 7 \times 20 = 7(10 + \underline{\quad}) = \underline{\quad}$$

$$5 \times 23 = 5(11 + \underline{\quad}) = \underline{\quad} \quad 4 \times 25 = 4(11 + \underline{\quad}) = \underline{\quad} \quad 3 \times 22 = 3(11 + \underline{\quad}) = \underline{\quad}$$

$$9 \times 14 = 9(6 + \underline{\quad}) = \underline{\quad} \quad 1 \times 19 = 1(9 + \underline{\quad}) = \underline{\quad} \quad 6 \times 13 = 6(6 + \underline{\quad}) = \underline{\quad}$$

$$7 \times 21 = 7(10 + \underline{\quad}) = \underline{\quad} \quad 2 \times 16 = 2(8 + \underline{\quad}) = \underline{\quad} \quad 4 \times 19 = 4(9 + \underline{\quad}) = \underline{\quad}$$

$$8 \times 20 = 8(10 + \underline{\quad}) = \underline{\quad} \quad 3 \times 14 = 3(10 + \underline{\quad}) = \underline{\quad} \quad 5 \times 17 = 5(10 + \underline{\quad}) = \underline{\quad}$$

$$9 \times 12 = 9(5 + \underline{\quad}) = \underline{\quad} \quad 1 \times 13 = 1(6 + \underline{\quad}) = \underline{\quad} \quad 6 \times 14 = 6(6 + \underline{\quad}) = \underline{\quad}$$

$$8 \times 17 = 8(10 + \underline{\quad}) = \underline{\quad} \quad 7 \times 13 = 7(6 + \underline{\quad}) = \underline{\quad} \quad 2 \times 19 = 2(10 + \underline{\quad}) = \underline{\quad}$$

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$$3 \times 15 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$5 \times 12 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$4 \times 16 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$2 \times 13 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$7 \times 17 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$8 \times 19 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$1 \times 12 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$9 \times 14 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$6 \times 13 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$5 \times 14 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$3 \times 20 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$8 \times 14 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$4 \times 16 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$7 \times 19 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$2 \times 21 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$6 \times 19 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$1 \times 14 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$6 \times 13 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$4 \times 22 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$3 \times 23 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$5 \times 25 = \underline{\quad} \times (\underline{\quad} + \underline{\quad}) = \underline{\quad}$$

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$$5 \times 25 = 5 \times (__ + __ + __) = __ \quad 3 \times 23 = 3 \times (__ + __ + __) = __$$

$$4 \times 22 = 4 \times (__ + __ + __) = __ \quad 8 \times 26 = 8 \times (__ + __ + __) = __$$

$$2 \times 20 = 2 \times (__ + __ + __) = __ \quad 7 \times 24 = 7 \times (__ + __ + __) = __$$

$$2 \times 35 = 2 \times (__ + __ + __) = __ \quad 1 \times 38 = 1 \times (__ + __ + __) = __$$

$$3 \times 30 = 3 \times (__ + __ + __) = __ \quad 4 \times 33 = 4 \times (__ + __ + __) = __$$

$$5 \times 32 = 5 \times (__ + __ + __) = __ \quad 6 \times 31 = 6 \times (__ + __ + __) = __$$

$$7 \times 34 = 7 \times (__ + __ + __) = __ \quad 8 \times 36 = 8 \times (__ + __ + __) = __$$

$$9 \times 37 = 9 \times (__ + __ + __) = __ \quad 8 \times 39 = 8 \times (__ + __ + __) = __$$

$$7 \times 29 = 7 \times (__ + __ + __) = __ \quad 10 \times 40 = 10 \times (__ + __ + __) = __$$

$$11 \times 41 = 11 \times (__ + __ + __) = __ \quad 10 \times 37 = 10 \times (__ + __ + __) = __$$

$$8 \times 45 = 8 \times (__ + __ + __) = __ \quad 7 \times 43 = 7 \times (__ + __ + __) = __$$

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$$6 \times 28 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 7 \times 43 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$8 \times 45 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 5 \times 37 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$10 \times 39 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 4 \times 32 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$10 \times 40 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 7 \times 29 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$5 \times 50 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 9 \times 37 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$8 \times 36 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 6 \times 48 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$6 \times 31 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 5 \times 32 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$5 \times 36 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 3 \times 30 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$1 \times 38 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 7 \times 42 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$7 \times 42 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 2 \times 20 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

$$4 \times 22 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad} \quad 8 \times 40 = \underline{\quad} \times (\underline{\quad} + \underline{\quad} + \underline{\quad}) = \underline{\quad}$$

Finding missing factors or quotients for division problems through $81 \div 9$.
Timed.

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$$8 \overline{)72}$$

$$6 \overline{)48}$$

$$5 \overline{)30}$$

$$4 \overline{)28}$$

$$2 \overline{)16}$$

$$1 \overline{)6}$$

$$4 \overline{)35}$$

$$3 \overline{)21}$$

$$9 \overline{)63}$$

$$9 \overline{)72}$$

$$8 \overline{)64}$$

$$6 \overline{)36}$$

$$5 \overline{)25}$$

$$4 \overline{)20}$$

$$2 \overline{)18}$$

$$1 \overline{)2}$$

$$7 \overline{)49}$$

$$3 \overline{)24}$$

$$3 \overline{)18}$$

$$9 \overline{)45}$$

$$8 \overline{)32}$$

$$6 \overline{)54}$$

$$5 \overline{)35}$$

$$4 \overline{)24}$$

$$2 \overline{)14}$$

$$1 \overline{)3}$$

$$4 \overline{)42}$$

$$7 \overline{)21}$$

$$3 \overline{)27}$$

$$9 \overline{)36}$$

$$8 \overline{)56}$$

$$6 \overline{)42}$$

$$5 \overline{)40}$$

$$4 \overline{)16}$$

$$2 \overline{)12}$$

$$1 \overline{)7}$$

$$1 \overline{)3}$$

$$7 \overline{)28}$$

$$3 \overline{)15}$$

$$9 \overline{)18}$$

$$8 \overline{)40}$$

$$6 \overline{)30}$$

$$5 \overline{)45}$$

$$4 \overline{)12}$$

$$2 \overline{)10}$$

$$2 \overline{)8}$$

$$1 \overline{)4}$$

$$7 \overline{)56}$$

$$3 \overline{)6}$$

$$9 \overline{)54}$$

$$8 \overline{)48}$$

$$6 \overline{)24}$$

$$5 \overline{)50}$$

$$4 \overline{)8}$$

$$4 \overline{)32}$$

$$2 \overline{)6}$$

$$1 \overline{)5}$$

$$7 \overline{)63}$$

$$3 \overline{)9}$$

$$9 \overline{)18}$$

| NAME | DATE | CLASS | TIME | COUNT |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| $6\overline{)12}$ | $8\overline{)24}$ | $9\overline{)27}$ | $3\overline{)12}$ | $7\overline{)70}$ |
| $2\overline{)4}$ | $4\overline{)36}$ | $5\overline{)10}$ | $4\overline{)32}$ | $2\overline{)6}$ |
| $7\overline{)63}$ | $3\overline{)9}$ | $3\overline{)12}$ | $3\overline{)21}$ | $1\overline{)2}$ |
| $2\overline{)8}$ | $1\overline{)12}$ | $4\overline{)56}$ | $3\overline{)6}$ | $9\overline{)54}$ |
| $7\overline{)49}$ | $2\overline{)14}$ | $5\overline{)5}$ | $3\overline{)15}$ | $7\overline{)28}$ |
| $9\overline{)81}$ | $8\overline{)40}$ | $8\overline{)48}$ | $1\overline{)8}$ | $4\overline{)16}$ |
| $7\overline{)21}$ | $3\overline{)27}$ | $9\overline{)36}$ | $8\overline{)56}$ | $6\overline{)42}$ |
| $2\overline{)12}$ | $5\overline{)40}$ | $2\overline{)10}$ | $3\overline{)18}$ | $9\overline{)45}$ |
| $6\overline{)54}$ | $5\overline{)35}$ | $5\overline{)45}$ | $4\overline{)12}$ | $6\overline{)24}$ |
| $9\overline{)72}$ | $8\overline{)64}$ | $6\overline{)36}$ | $5\overline{)25}$ | $4\overline{)20}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 1/6 | 2/4 | 3/15 | 7/14 | 4/32 |
| 5/30 | 7/21 | 6/36 | 6/48 | 6/24 |
| 2/8 | 3/18 | 6/18 | 5/25 | 6/34 |
| 5/25 | 7/49 | 6/60 | 5/35 | 1/3 |
| 3/27 | 5/5 | 4/28 | 5/10 | 8/32 |
| 5/40 | 9/36 | 3/12 | 1/2 | 2/14 |
| 3/9 | 4/20 | 6/12 | 8/8 | 9/81 |
| 4/16 | 6/42 | 2/2 | 1/1 | 4/36 |
| 5/15 | 9/18 | 9/45 | 3/12 | 2/18 |
| 5/40 | 1/5 | 2/6 | 2/6 | 3/30 |
| | | | | 4/24 |

| NAME | DATE | CLASS | TIME | COUNT |
|---------------|---------------|---------------|---------------|---------------|
| $12 \div 6 =$ | $24 \div 8 =$ | $27 \div 9 =$ | $70 \div 7 =$ | $6 \div 1 =$ |
| $4 \div 2 =$ | | | | |
| $36 \div 4 =$ | $10 \div 5 =$ | $5 \div 5 =$ | $18 \div 6 =$ | $32 \div 8 =$ |
| | | | | |
| $9 \div 3 =$ | $63 \div 7 =$ | $5 \div 1 =$ | $6 \div 2 =$ | $32 \div 4 =$ |
| | | | | |
| $50 \div 5 =$ | $24 \div 6 =$ | $48 \div 8 =$ | $54 \div 9 =$ | $6 \div 3 =$ |
| | | | | |
| $4 \div 1 =$ | $8 \div 2 =$ | $10 \div 2 =$ | $12 \div 4 =$ | $45 \div 5 =$ |
| | | | | |
| $40 \div 8 =$ | $81 \div 9 =$ | $15 \div 3 =$ | $28 \div 7 =$ | $3 \div 1 =$ |
| | | | | |
| $12 \div 2 =$ | $16 \div 4 =$ | $40 \div 5 =$ | $42 \div 6 =$ | $56 \div 8 =$ |
| | | | | |
| $27 \div 3 =$ | $21 \div 7 =$ | $42 \div 7 =$ | $3 \div 1 =$ | $14 \div 2 =$ |
| | | | | |
| $35 \div 5 =$ | $54 \div 6 =$ | $32 \div 8 =$ | $45 \div 9 =$ | $18 \div 3 =$ |
| | | | | |
| $49 \div 7 =$ | $2 \div 1 =$ | $18 \div 2 =$ | $20 \div 4 =$ | $25 \div 5 =$ |
| | | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|---------------|---------------|---------------|---------------|---------------|
| $63 \div 9 =$ | $21 \div 3 =$ | $35 \div 7 =$ | $6 \div 1 =$ | $16 \div 2 =$ |
| $30 \div 5 =$ | $64 \div 8 =$ | $72 \div 8 =$ | $24 \div 3 =$ | $2 \div 1 =$ |
| $18 \div 2 =$ | $20 \div 4 =$ | $25 \div 5 =$ | $36 \div 6 =$ | $72 \div 9 =$ |
| $42 \div 7 =$ | $3 \div 1 =$ | $14 \div 2 =$ | $24 \div 4 =$ | $54 \div 6 =$ |
| $32 \div 8 =$ | $45 \div 9 =$ | $18 \div 3 =$ | $7 \div 1 =$ | $12 \div 2 =$ |
| $40 \div 5 =$ | $42 \div 6 =$ | $56 \div 8 =$ | $36 \div 9 =$ | $21 \div 7 =$ |
| $10 \div 2 =$ | $12 \div 4 =$ | $45 \div 5 =$ | $30 \div 6 =$ | $81 \div 9 =$ |
| $15 \div 3 =$ | $28 \div 7 =$ | $3 \div 1 =$ | $8 \div 4 =$ | $50 \div 5 =$ |
| $48 \div 8 =$ | $54 \div 9 =$ | $6 \div 3 =$ | $56 \div 7 =$ | $4 \div 1 =$ |
| $5 \div 5 =$ | $18 \div 6 =$ | $32 \div 8 =$ | $18 \div 9 =$ | $9 \div 3 =$ |
| | | | | $63 \div 7 =$ |

Using distributive principles, simple numbers, simplify division problems.

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$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array} \quad 30 \div 6 = \quad \begin{array}{r} 6 \\ \times 6 \\ \hline \end{array} \quad 36 \div 6 = \quad \begin{array}{r} 7 \\ \times 6 \\ \hline \end{array} \quad 42 \div 6 = \quad \begin{array}{r} 8 \\ \times 6 \\ \hline \end{array} \quad 48 \div 6 = \quad \begin{array}{r} 9 \\ \times 6 \\ \hline \end{array} \quad 54 \div 6 =$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array} \quad 35 \div 5 = \quad \begin{array}{r} 6 \\ \times 7 \\ \hline \end{array} \quad 42 \div 7 = \quad \begin{array}{r} 7 \\ \times 7 \\ \hline \end{array} \quad 49 \div 7 = \quad \begin{array}{r} 8 \\ \times 9 \\ \hline \end{array} \quad 72 \div 9 = \quad \begin{array}{r} 9 \\ \times 7 \\ \hline \end{array} \quad 63 \div 7 =$$

$$\begin{array}{r} 353 \\ \times 8 \\ \hline \end{array} \quad 40 \div 8 = \quad \begin{array}{r} 48 \\ \times 8 \\ \hline \end{array} \quad 48 \div 8 = \quad \begin{array}{r} 56 \\ \times 8 \\ \hline \end{array} \quad 56 \div 8 = \quad \begin{array}{r} 64 \\ \times 8 \\ \hline \end{array} \quad 64 \div 8 = \quad \begin{array}{r} 72 \\ \times 8 \\ \hline \end{array} \quad 72 \div 8 =$$

$$\begin{array}{r} 54 \\ \div 9 \\ \hline \end{array} \quad 54 \div 9 = \quad \begin{array}{r} 63 \\ \div 9 \\ \hline \end{array} \quad 63 \div 9 = \quad \begin{array}{r} 72 \\ \div 9 \\ \hline \end{array} \quad 72 \div 9 = \quad \begin{array}{r} 81 \\ \div 9 \\ \hline \end{array} \quad 81 \div 9 =$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array} \quad 4 \times 6 = \quad \begin{array}{r} 24 \\ \div 4 \\ \hline \end{array} \quad 24 \div 4 = \quad \begin{array}{r} 9 \\ \times 6 \\ \hline \end{array} \quad 9 \times 6 = \quad \begin{array}{r} 54 \\ \div 9 \\ \hline \end{array} \quad 54 \div 9 = \quad \begin{array}{r} 4 \\ \times 7 \\ \hline \end{array} \quad 4 \times 7 = \quad \begin{array}{r} 28 \\ \div 4 \\ \hline \end{array} \quad 28 \div 4 = \quad \begin{array}{r} 9 \\ \times 3 \\ \hline \end{array} \quad 9 \times 3 = \quad \begin{array}{r} 36 \\ \div 9 \\ \hline \end{array} \quad 36 \div 9 =$$

$$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array} \quad 7 \times 3 = \quad \begin{array}{r} 21 \\ \div 7 \\ \hline \end{array} \quad 21 \div 7 = \quad \begin{array}{r} 4 \\ \times 8 \\ \hline \end{array} \quad 4 \times 8 = \quad \begin{array}{r} 32 \\ \div 4 \\ \hline \end{array} \quad 32 \div 4 = \quad \begin{array}{r} 7 \\ \times 4 \\ \hline \end{array} \quad 7 \times 4 = \quad \begin{array}{r} 28 \\ \div 7 \\ \hline \end{array} \quad 28 \div 7 = \quad \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \quad 9 \times 9 = \quad \begin{array}{r} 81 \\ \div 9 \\ \hline \end{array} \quad 81 \div 9 =$$

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$$\begin{array}{r} \times 40 = 800 \\ \times 30 = 2700 \\ \times 90 = 6300 \end{array}$$

$$\begin{array}{r} 800 \div 40 = \\ 2700 \div 30 = \\ 6300 \div 9 = \end{array}$$

$$40 \overline{) 1200}$$

$$10 \overline{) 900}$$

$$\begin{array}{r} \times 30 = 900 \\ \times 70 = 3500 \\ \times 60 = 1800 \end{array}$$

$$\begin{array}{r} 900 \div 30 = \\ 3500 \div 70 = \\ 1800 \div 60 = \end{array}$$

$$20 \overline{) 1400}$$

$$30 \overline{) 2100}$$

$$\begin{array}{r} \times 50 = 1500 \\ \times 60 = 2400 \\ \times 80 = 4800 \end{array}$$

$$\begin{array}{r} 1500 \div 50 = \\ 2400 \div 60 = \\ 4800 \div 80 = \end{array}$$

$$50 \overline{) 2500}$$

$$60 \overline{) 1800}$$

$$70 \overline{) 4200}$$

$$30 \overline{) 2700}$$

$$10 \overline{) 800}$$

$$20 \overline{) 1800}$$

$$40 \overline{) 3200}$$

$$50 \overline{) 1000}$$

$$60 \overline{) 3600}$$

$$80 \overline{) 5600}$$

$$10 \overline{) 200}$$

$$90 \overline{) 6300}$$

$$10 \overline{) 500}$$

$$60 \overline{) 4800}$$

$$90 \overline{) 2700}$$

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|-------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| $80 \overline{) 7200}$ | $90 \overline{) 5400}$ | $70 \overline{) 4900}$ | $80 \overline{) 6400}$ | $20 \overline{) 800}$ |
| $3 \overline{) 39}$ | $4 \overline{) 48}$ | $2 \overline{) 66}$ | $5 \overline{) 115}$ | $8 \overline{) 104}$ |
| $30 \div 3 + 9 \div 3 =$ | $(40 \div 4) + (8 \div 4) =$ | $(60 \div 2) + (6 \div 2) =$ | $(100 \div 5) + (15 \div 5) =$ | $(80 \div 8) + (24 \div 8) =$ |
| $7 \overline{) 91}$ | $6 \overline{) 40} \text{ r } 4$ | $3 \overline{) 23} \text{ r } 2$ | $5 \overline{) 27} \text{ r } 2$ | $4 \overline{) 33} \text{ r } 1$ |
| $(70 \div 7) + (21 \div 7) =$ | | | | |
| $365 \overline{) 6139}$ | $8 \overline{) 62}$ | $7 \overline{) 41}$ | $9 \overline{) 58}$ | $4 \overline{) 31}$ |
| $8 \overline{) 55}$ | $9 \overline{) 64}$ | $4 \overline{) 14}$ | $3 \overline{) 10}$ | $5 \overline{) 18}$ |
| $4 \overline{) 33}$ | $9 \overline{) 46}$ | $4 \overline{) 17}$ | $7 \overline{) 55}$ | $5 \overline{) 47}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|----------|----------|----------|-----------|-----------|
| 3)39 | 5)75 | 4)88 | 6)79 | 4)176 |
| 30 ← -x3 | 50 ← -x5 | 80 = -x4 | 60 ← -x6 | 160 ← -x4 |
| 9 | 25 | 8 | 19 | 16 |
| -9 ← -x3 | 25 ← -x5 | -8 ← -x4 | -18 ← -x6 | 16 ← -x4 |
| 0 | 0 | 0 | 1 | |
| 7)163 | 6)324 | 8)504 | 9)369 | 4)332 |
| 5)465 | 7)450 | 8)280 | 4)395 | 7)623 |
| 366 | | | | |
| 6)78 | 4)48 | 6)138 | 8)430 | 9)567 |
| 3)51 | 4)252 | 7)309 | 4)92 | 7)189 |
| 4)96 | 3)54 | 5)85 | 8)424 | 9)111 |

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Using "ladder" division with 1 digit divisor, 2 or more digit dividend.
No remainder.

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| | | | | |
|---|--|---|--|--|
| $ \begin{array}{r} 2 \overline{) 142} \\ \underline{100} \\ 42 \\ \underline{20} \\ 22 \\ \underline{20} \\ 2 \\ \underline{2} \\ 0 \end{array} $ | $ \begin{array}{r} 5 \overline{) 130} \\ \underline{10} \\ 30 \\ \underline{20} \\ 10 \\ \underline{10} \\ 0 \end{array} $ | $ \begin{array}{r} 3 \overline{) 96} \\ \underline{60} \\ 36 \\ \underline{30} \\ 6 \\ \underline{6} \\ 0 \end{array} $ | $ \begin{array}{r} 4 \overline{) 128} \\ \underline{80} \\ 48 \\ \underline{40} \\ 8 \\ \underline{8} \\ 0 \end{array} $ | |
| $ \begin{array}{r} 2 \overline{) 136} \\ \underline{100} \\ 36 \\ \underline{20} \\ 16 \\ \underline{10} \\ 6 \\ \underline{6} \\ 0 \end{array} $ | $ \begin{array}{r} 3 \overline{) 159} \\ \underline{90} \\ 69 \\ \underline{60} \\ 9 \\ \underline{9} \\ 0 \end{array} $ | $ \begin{array}{r} 5 \overline{) 420} \\ \underline{250} \\ 170 \\ \underline{150} \\ 20 \\ \underline{20} \\ 0 \end{array} $ | $ \begin{array}{r} 3 \overline{) 40} \\ \underline{30} \\ 10 \\ \underline{10} \\ 0 \end{array} $ | |
| $ \begin{array}{r} 2 \overline{) 350} \\ \underline{200} \\ 150 \\ \underline{100} \\ 50 \\ \underline{50} \\ 0 \end{array} $ | $ \begin{array}{r} 4 \overline{) 96} \\ \underline{80} \\ 16 \\ \underline{12} \\ 4 \\ \underline{4} \\ 0 \end{array} $ | $ \begin{array}{r} 3 \overline{) 96} \\ \underline{60} \\ 36 \\ \underline{30} \\ 6 \\ \underline{6} \\ 0 \end{array} $ | $ \begin{array}{r} 5 \overline{) 95} \\ \underline{50} \\ 45 \\ \underline{40} \\ 5 \\ \underline{5} \\ 0 \end{array} $ | |

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| NAME | DATE | CLASS | TIME | COUNT |
|-------|-------|-------|-------|-------|
| 6/126 | 7/154 | | 8/163 | 9/153 |
| 370 | 8/144 | | 6/192 | 7/119 |
| 6/174 | 8/194 | | 9/189 | 7/200 |

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$$\begin{array}{r} 7 \overline{) 364} \end{array}$$

$$\begin{array}{r} 8 \overline{) 294} \end{array}$$

$$\begin{array}{r} 7 \overline{) 273} \end{array}$$

$$\begin{array}{r} 8 \overline{) 352} \end{array}$$

$$\begin{array}{r} 7 \overline{) 434} \end{array}$$

$$\begin{array}{r} 8 \overline{) 256} \end{array}$$

$$\begin{array}{r} 7 \overline{) 497} \end{array}$$

$$\begin{array}{r} 8 \overline{) 656} \end{array}$$

$$\begin{array}{r} 7 \overline{) 581} \end{array}$$

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| | | |
|----------------------|----------------------|----------------------|
| $9 \overline{) 621}$ | $8 \overline{) 524}$ | $7 \overline{) 933}$ |
|----------------------|----------------------|----------------------|

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$8 \overline{) 928}$

$9 \overline{) 891}$

$7 \overline{) 854}$

$9 \overline{) 684}$

$7 \overline{) 546}$

$8 \overline{) 936}$

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 $8 \overline{) 2568}$ $3 \overline{) 1833}$ $4 \overline{) 2448}$

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 $7 \overline{) 1197}$ $5 \overline{) 4855}$ $7 \overline{) 4893}$ $9 \overline{) 7569}$ $8 \overline{) 1448}$ $6 \overline{) 3648}$

Dividing with remainders, 1 digit factor and product.

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 355 | 518 | 259 | 719 | 516 |
| 819 | | | | |
| 416 | 317 | 619 | 217 | 718 |
| 375 | | | | |
| 419 | 617 | 215 | 517 | 415 |
| 519 | | | | |
| 318 | 213 | | | |

| NAME | DATE | CLASS | TIME | COUNT | | |
|------|------|-------|------|-------|-----|-----|
| 552 | 751 | 453 | 953 | 855 | 956 | 654 |
| 755 | 653 | 957 | 857 | 352 | 755 | 551 |
| 952 | 753 | 251 | 856 | 852 | 651 | 851 |
| 954 | 452 | 652 | 553 | 752 | 955 | 451 |
| 655 | 853 | 554 | 754 | 951 | 351 | 959 |
| 854 | 958 | | | | | |

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| NAME | DATE | CLASS | TIME | COUNT | | | | |
|------|------|-------|------|-------|-----|-----|-----|-----|
| 512 | 413 | 518 | 911 | 711 | 314 | 815 | 917 | 519 |
| 315 | 916 | 812 | 715 | 416 | 716 | 219 | 714 | 611 |
| 311 | 517 | 614 | 712 | 412 | 713 | 419 | 513 | 511 |
| 211 | 411 | 914 | 318 | 813 | 719 | 816 | 913 | 215 |
| 617 | 819 | 718 | 217 | 615 | 213 | | | |

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$$\begin{array}{r} 9 \overline{)18} \\ 5 \overline{)6} \\ 9 \overline{)5} \\ 8 \overline{)4} \\ 3 \overline{)2} \\ 5 \overline{)9} \\ 6 \overline{)1} \end{array}$$

$$\begin{array}{r} 5 \overline{)11} \\ 9 \overline{)0} \\ 2 \overline{)5} \\ 9 \overline{)3} \\ 4 \overline{)0} \\ 5 \overline{)3} \\ 6 \overline{)9} \end{array}$$

$$\begin{array}{r} 9 \overline{)7} \\ 3 \overline{)0} \\ 8 \overline{)6} \\ 4 \overline{)9} \\ 6 \overline{)3} \\ 2 \overline{)9} \\ 8 \overline{)0} \end{array}$$

$$\begin{array}{r} 3 \overline{)4} \\ 7 \overline{)6} \\ 9 \overline{)2} \\ 7 \overline{)3} \\ 1 \overline{)0} \\ 7 \overline{)9} \\ 2 \overline{)3} \end{array}$$

$$\begin{array}{r} 5 \overline{)4} \\ 7 \overline{)0} \\ 4 \overline{)6} \\ 7 \overline{)1} \\ 2 \overline{)7} \\ 3 \overline{)8} \\ 7 \overline{)2} \end{array}$$

$$\begin{array}{r} 8 \overline{)1} \\ 7 \overline{)5} \\ 9 \overline{)1} \\ 5 \overline{)8} \\ 8 \overline{)2} \\ 4 \overline{)5} \\ 6 \overline{)4} \end{array}$$

Dividing with remainders, 1 digit factor, 2 or more digit products.

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 2511 | 5/19 | 8/18 | 5/13 | 2/15 |
| 3/11 | 5/19 | 8/18 | 5/13 | 3/10 |
| 4/13 | 4/10 | 3/17 | 4/15 | 8/17 |
| 3/17 | 9/19 | 8/18 | 6/13 | 9/16 |
| 2/19 | 5/11 | 5/16 | 6/14 | 7/10 |
| 3/14 | 3/14 | 7/17 | 3/11 | 2/17 |
| 8/14 | 3/14 | 7/17 | 3/11 | 2/17 |
| 2/13 | 4/10 | 3/17 | 4/15 | 5/13 |
| 3/17 | 9/19 | 8/18 | 6/13 | 9/16 |
| 2/19 | 5/11 | 5/16 | 6/14 | 7/10 |
| 3/14 | 3/14 | 7/17 | 3/11 | 2/17 |
| 8/14 | 3/14 | 7/17 | 3/11 | 2/17 |
| 2/13 | 4/10 | 3/17 | 4/15 | 5/13 |
| 3/17 | 9/19 | 8/18 | 6/13 | 9/16 |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 2)21 | 3)26 | 5)21 | 7)25 | 4)22 |
| 9)41 | 8)35 | | | |
| 7)24 | 2)23 | 4)36 | 3)25 | 9)34 |
| 7)41 | 7)26 | | | |
| 2)35 | 6)23 | 5)38 | 2)25 | 6)22 |
| 2)29 | 5)26 | | | |
| 3)34 | 7)23 | 3)41 | 4)49 | 3)46 |
| 7)20 | 4)23 | | | |
| 6)20 | 3)37 | 7)22 | 3)40 | 3)24 |
| 2)31 | 2)27 | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 4)81 | 5)74 | 6)81 | 7)92 | 8)59 |
| | | | | 4)53 |
| | | | | 6)91 |
| | | | | 4)90 |
| 4)93 | 5)82 | 6)97 | 7)69 | 9)84 |
| | | | | 4)86 |
| | | | | 6)83 |
| | | | | 4)77 |
| 4)75 | 5)93 | 6)69 | 8)90 | 9)65 |
| | | | | 5)71 |
| | | | | 7)86 |
| | | | | 5)93 |
| 5)66 | 6)76 | 7)60 | 8)60 | 9)97 |
| | | | | 5)86 |
| | | | | 7)95 |
| | | | | 5)84 |

NAME

DATE

CLASS

TIME

COUNT

4)178 6)129 5)279 4)163 6)367 5)152 4)151

5)284 6)345 6)491 5)174 4)95 6)145 5)391

384

4)162 6)455 5)486 6)235 4)387 6)127 5)389

4)379 5)492 4)351 6)479 5)362 6)537 5)423

| NAME | DATE | CLASS | TIME | COUNT |
|---------|--------|---------|--------|-----------------|
| 7)1228 | 8)1625 | 9)2572 | 8)1855 | 7)4317 9)19735 |
| 8)5183 | 9)4197 | 7)6146 | 8)6172 | 7)81217 7)61500 |
| 7)51392 | 9)4191 | 8)30605 | 9)153 | 8)31531 7)3424 |

Checking division problems by inverse operation of multiplication for 2 or more digit products.

| NAME | DATE | CLASS | TIME | COUNT |
|------|--|--|--|--|
| | $2\overline{)10}$ | $2\overline{)16}$ | $2\overline{)14}$ | $2\overline{)12}$ |
| | $2 \times \underline{\hspace{1cm}} = 10$ | $2 \times \underline{\hspace{1cm}} = 16$ | $2 \times \underline{\hspace{1cm}} = 14$ | $2 \times \underline{\hspace{1cm}} = 12$ |
| | $2\overline{)20}$ | $2\overline{)82}$ | $2\overline{)64}$ | $2\overline{)44}$ |
| 387 | $2 \times \underline{\hspace{1cm}} = 20$ | $2 \times \underline{\hspace{1cm}} = 82$ | $2 \times \underline{\hspace{1cm}} = 64$ | $2 \times \underline{\hspace{1cm}} = 44$ |
| | $2\overline{)46}$ | $2\overline{)24}$ | $2\overline{)66}$ | $2\overline{)84}$ |
| | $2 \times \underline{\hspace{1cm}} = 46$ | $2 \times \underline{\hspace{1cm}} = 24$ | $2 \times \underline{\hspace{1cm}} = 66$ | $2 \times \underline{\hspace{1cm}} = 84$ |
| | $2\overline{)86}$ | $2\overline{)68}$ | $2\overline{)48}$ | $2\overline{)22}$ |
| | $2 \times \underline{\hspace{1cm}} = 86$ | $2 \times \underline{\hspace{1cm}} = 68$ | $2 \times \underline{\hspace{1cm}} = 48$ | $2 \times \underline{\hspace{1cm}} = 22$ |

NAME

DATE

CLASS

TIME

COUNT

$$3 \overline{)12}$$

$$3 \overline{)18}$$

$$3 \overline{)15}$$

$$3 \overline{)24}$$

$$3 \overline{)21}$$

$$3 \times \underline{\quad} = 12 \quad 3 \times \underline{\quad} = 18 \quad 3 \times \underline{\quad} = 15 \quad 3 \times \underline{\quad} = 24 \quad 3 \times \underline{\quad} = 21$$

$$3 \overline{)27}$$

$$3 \overline{)36}$$

$$3 \overline{)69}$$

$$3 \overline{)63}$$

$$3 \overline{)96}$$

$$3 \times \underline{\quad} = 27 \quad 3 \times \underline{\quad} = 36 \quad 3 \times \underline{\quad} = 69 \quad 3 \times \underline{\quad} = 63 \quad 3 \times \underline{\quad} = 96$$

$$3 \overline{)90}$$

$$3 \overline{)66}$$

$$3 \overline{)60}$$

$$3 \overline{)99}$$

$$3 \overline{)93}$$

$$3 \times \underline{\quad} = 90 \quad 3 \times \underline{\quad} = 66 \quad 3 \times \underline{\quad} = 60 \quad 3 \times \underline{\quad} = 99 \quad 3 \times \underline{\quad} = 93$$

$$3 \overline{)39}$$

$$3 \overline{)120}$$

$$3 \overline{)153}$$

$$3 \overline{)183}$$

$$3 \overline{)213}$$

$$3 \times \underline{\quad} = 39 \quad 3 \times \underline{\quad} = 120 \quad 3 \times \underline{\quad} = 153 \quad 3 \times \underline{\quad} = 183 \quad 3 \times \underline{\quad} = 213$$

NAME

DATE

CLASS

TIME

COUNT

$$4 \overline{)12}$$

$$4 \times \underline{\quad} = 12$$

$$4 \overline{)24}$$

$$4 \times \underline{\quad} = 24$$

$$4 \overline{)32}$$

$$4 \times \underline{\quad} = 32$$

$$4 \overline{)20}$$

$$4 \times \underline{\quad} = 20$$

$$4 \overline{)36}$$

$$4 \times \underline{\quad} = 36$$

$$4 \overline{)16}$$

$$4 \times \underline{\quad} = 16$$

$$4 \overline{)28}$$

$$4 \times \underline{\quad} = 28$$

$$4 \overline{)48}$$

$$4 \times \underline{\quad} = 48$$

$$4 \overline{)84}$$

$$4 \times \underline{\quad} = 84$$

$$4 \overline{)44}$$

$$4 \times \underline{\quad} = 44$$

389

$$4 \overline{)40}$$

$$4 \times \underline{\quad} = 40$$

$$4 \overline{)88}$$

$$4 \times \underline{\quad} = 88$$

$$4 \overline{)80}$$

$$4 \times \underline{\quad} = 80$$

$$4 \overline{)20}$$

$$4 \times \underline{\quad} = 20$$

$$4 \overline{)60}$$

$$4 \times \underline{\quad} = 60$$

$$4 \overline{)248}$$

$$4 \times \underline{\quad} = 248$$

$$4 \overline{)284}$$

$$4 \times \underline{\quad} = 284$$

$$4 \overline{)324}$$

$$4 \times \underline{\quad} = 324$$

$$4 \overline{)244}$$

$$4 \times \underline{\quad} = 244$$

$$4 \overline{)364}$$

$$4 \times \underline{\quad} = 364$$

NAME

DATE

CLASS

TIME

COUNT

$$5 \overline{)10}$$

$$5 \overline{)25}$$

$$5 \overline{)30}$$

$$5 \overline{)20}$$

$$5 \overline{)15}$$

$$5 \times \underline{\quad} = 10$$

$$5 \times \underline{\quad} = 25$$

$$5 \times \underline{\quad} = 30$$

$$5 \times \underline{\quad} = 20$$

$$5 \times \underline{\quad} = 15$$

$$5 \overline{)35}$$

$$5 \overline{)45}$$

$$5 \overline{)40}$$

$$5 \overline{)105}$$

$$5 \overline{)250}$$

$$5 \times \underline{\quad} = 35$$

$$5 \times \underline{\quad} = 45$$

$$5 \times \underline{\quad} = 40$$

$$5 \times \underline{\quad} = 105$$

$$5 \times \underline{\quad} = 250$$

390

$$5 \overline{)155}$$

$$5 \overline{)350}$$

$$5 \overline{)405}$$

$$5 \overline{)55}$$

$$5 \overline{)50}$$

$$5 \times \underline{\quad} = 155$$

$$5 \times \underline{\quad} = 350$$

$$5 \times \underline{\quad} = 405$$

$$5 \times \underline{\quad} = 55$$

$$5 \times \underline{\quad} = 50$$

$$5 \overline{)205}$$

$$5 \overline{)355}$$

$$5 \overline{)305}$$

$$5 \overline{)255}$$

$$5 \overline{)450}$$

$$5 \times \underline{\quad} = 205$$

$$5 \times \underline{\quad} = 355$$

$$5 \times \underline{\quad} = 305$$

$$5 \times \underline{\quad} = 255$$

$$5 \times \underline{\quad} = 450$$

NAME

DATE

CLASS

TIME

COUNT

$$6 \overline{)12} \quad 7 \overline{)21} \quad 6 \overline{)24} \quad 8 \overline{)40} \quad 9 \overline{)36}$$

$$6 \times \underline{\quad} = 12 \quad 7 \times \underline{\quad} = 21 \quad 6 \times \underline{\quad} = 24 \quad 8 \times \underline{\quad} = 40 \quad 9 \times \underline{\quad} = 36$$

391

$$7 \overline{)217} \quad 6 \overline{)26} \quad 8 \overline{)408} \quad 6 \overline{)246} \quad 9 \overline{)360}$$

$$7 \times \underline{\quad} = 217 \quad 6 \times \underline{\quad} = 126 \quad 8 \times \underline{\quad} = 408 \quad 6 \times \underline{\quad} = 246 \quad 9 \times \underline{\quad} = 360$$

$$5 \overline{)405} \quad 9 \overline{)270} \quad 9 \overline{)369} \quad 8 \overline{)648} \quad 5 \overline{)250}$$

$$5 \times \underline{\quad} = 405 \quad 9 \times \underline{\quad} = 270 \quad 9 \times \underline{\quad} = 369 \quad 8 \times \underline{\quad} = 648 \quad 5 \times \underline{\quad} = 250$$

$$7 \overline{)742} \quad 8 \overline{)328} \quad 7 \overline{)490} \quad 7 \overline{)357} \quad 9 \overline{)819}$$

$$7 \times \underline{\quad} = 742 \quad 8 \times \underline{\quad} = 328 \quad 7 \times \underline{\quad} = 490 \quad 7 \times \underline{\quad} = 357 \quad 9 \times \underline{\quad} = 819$$

Dividing a 2 or more digit dividend by a 2 or 3 digit divisor.

NAME DATE CLASS TIME COUNT

23) 138 52) 468 41) 328 32) 672

63) 453 73) 219 31) 279 43) 731

393

92) 312 71) 347 64) 256 84) 258

| NAME | DATE | CLASS | TIME | COUNT |
|------------|------------|------------|------------|------------|
| 38) 763 | 18) 5, 721 | 32) 8, 765 | 28) 7, 765 | 33) 8, 940 |
| 45) 6, 789 | 45) 1, 471 | 52) 8, 761 | 67) 1, 899 | 19) 8950 |
| 56) 8976 | 47) 2, 494 | 94) 3, 590 | 81) 3, 160 | 73) 1, 900 |
| 92) 6, 522 | 53) 2, 491 | 96) 3, 870 | 18) 4, 433 | 87) 6, 800 |

| NAME | DATE | CLASS | TIME | COUNT |
|---------|---------|---------|---------|---------|
| 13) 702 | 28) 722 | 37) 512 | 39) 712 | 63) 882 |
| 78) 858 | 39) 712 | 47) 799 | 37) 512 | 78) 858 |
| 395 | | | | |
| 73) 876 | 68) 884 | 23) 437 | 46) 928 | 36) 413 |
| 72) 811 | 19) 547 | 85) 735 | 13) 728 | 62) 930 |

NAME DATE CLASS TIME COUNT

45) 679 64) 5,034 38) 3,306 26) 2,020

986) 99,678 143) 44,739 212) 55,639 789) 24,796

396

85) 7,659 97) 3,886 67) 2,077 88) 3,696

| NAME | DATE | CLASS | TIME | COUNT | | | |
|------|---------|-------|---------|-------|---------|-----|---------|
| 332 | 78, 501 | 508 | 87, 331 | 265 | 4, 506 | 773 | 19, 875 |
| 345 | 76, 987 | 875 | 18, 974 | 563 | 2752 | 589 | 65, 437 |
| 397 | | | | | | | |
| 597 | 58, 443 | 734 | 22, 786 | 191 | 40, 288 | 316 | 49, 923 |
| 947 | 39, 506 | 608 | 98, 173 | 873 | 93, 782 | 233 | 30, 824 |

Rounding numbers to estimate quotients. Dividends to 2009.

| NAME | DATE | CLASS | TIME | COUNT |
|---------|---------|---------|---------|---------|
| 8) 1939 | 5) 1906 | 3) 1859 | 9) 587 | 2) 1079 |
| 9) 842 | 8) 1678 | 3) 1290 | 4) 897 | 9) 842 |
| 7) 937 | 7) 569 | 9) 1790 | 6) 1835 | 4) 1010 |

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 90 \overline{) 290} \\ 80 \overline{) 1650} \\ 80 \overline{) 1700} \\ 50 \overline{) 1575} \\ 6 \overline{) 1210} \end{array}$$

$$\begin{array}{r} 20 \overline{) 838} \\ 30 \overline{) 622} \\ 39 \overline{) 81} \\ 36 \overline{) 80} \\ 34 \overline{) 110} \end{array}$$

$$\begin{array}{r} 60 \overline{) 500} \\ 80 \overline{) 352} \\ 50 \overline{) 174} \\ 60 \overline{) 530} \\ 70 \overline{) 474} \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|----------|---------|---------|----------|----------|
| 22) 838 | 32) 622 | 44) 836 | 23) 856 | 30) 900 |
| 21) 1260 | 11) 770 | 24) 960 | 40) 1720 | 50) 2000 |
| 11) 770 | 33) 997 | 25) 512 | 41) 947 | 34) 785 |

401

A MATH CONTINUUM

PART 2

JUNE 1972

Writing remainder as fraction. Divisors to 12.

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|----------------|
| 2)5 | 2)7 | 2)11 | 2)9 | 2)13 2)17 2)15 |
| 2)21 | 2)25 | 2)19 | 2)23 | 2)27 2)25 3)4 |
| 3)7 | 3)5 | 3)8 | 3)13 | 3)11 3)14 3)17 |
| 3)16 | 3)19 | 3)23 | 3)22 | 3)25 3)31 3)29 |
| 3)28 | 3)26 | 3)31 | 4)5 | 4)6 4)7 4)9 |
| 4)10 | 4)11 | 4)13 | 4)14 | 4)15 4)17 4)18 |
| 4)19 | 4)21 | 4)25 | 4)29 | 4)30 4)34 4)36 |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 2)14 | 2)19 | 2)23 | 3)13 | 3)16 |
| 3)22 | 3)19 | 3)23 | 3)28 | 3)26 |
| 4)31 | 4)5 | 4)9 | 4)10 | 4)11 |
| 4)13 | 4)17 | 4)15 | 4)18 | 4)21 |
| 4)22 | 4)26 | 4)25 | 4)27 | 5)14 |
| 5)12 | 5)11 | 5)16 | 5)18 | 5)17 |
| 5)23 | 5)34 | 5)27 | 5)44 | 5)39 |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

$$\begin{array}{r} 3 \overline{)11} \\ 3 \overline{)16} \\ 3 \overline{)19} \\ 3 \overline{)25} \\ 3 \overline{)26} \\ 3 \overline{)31} \\ 4 \overline{)10} \end{array}$$

$$\begin{array}{r} 4 \overline{)17} \\ 4 \overline{)21} \\ 4 \overline{)25} \\ 4 \overline{)35} \\ 5 \overline{)14} \\ 5 \overline{)18} \\ 5 \overline{)23} \end{array}$$

$$\begin{array}{r} 5 \overline{)27} \\ 5 \overline{)29} \\ 5 \overline{)33} \\ 5 \overline{)38} \\ 5 \overline{)43} \\ 5 \overline{)48} \\ 5 \overline{)49} \end{array}$$

406

$$\begin{array}{r} 6 \overline{)7} \\ 6 \overline{)9} \\ 6 \overline{)10} \\ 6 \overline{)8} \\ 6 \overline{)11} \\ 6 \overline{)14} \\ 6 \overline{)13} \end{array}$$

$$\begin{array}{r} 6 \overline{)15} \\ 6 \overline{)28} \\ 6 \overline{)26} \\ 6 \overline{)27} \\ 6 \overline{)31} \\ 6 \overline{)29} \\ 6 \overline{)32} \end{array}$$

$$\begin{array}{r} 6 \overline{)37} \\ 6 \overline{)34} \\ 6 \overline{)35} \\ 6 \overline{)40} \\ 6 \overline{)38} \\ 6 \overline{)41} \\ 6 \overline{)52} \end{array}$$

$$\begin{array}{r} 6 \overline{)47} \\ 6 \overline{)49} \\ 6 \overline{)55} \\ 6 \overline{)59} \\ 6 \overline{)57} \\ 6 \overline{)53} \\ 7 \overline{)25} \end{array}$$

407

| NAME | DATE | CLASS | TIME | COUNT |
|------|-------|-------|-------|-------------------|
| 6122 | 5142 | 4137 | 5128 | 6143 6138 7117 |
| 7124 | 7157 | 8118 | 8126 | 8134 9123 9138 |
| 9146 | 9165 | 9175 | 10152 | 10172 11114 11136 |
| 1164 | 12117 | 12138 | 12150 | 12176 12154 11196 |
| 5149 | 6144 | 7129 | 4137 | 8159 8163 7151 |
| 7164 | 7168 | 8177 | 8168 | 9134 9147 9178 |
| 9170 | 8161 | 7166 | 6156 | 7139 9150 8175 |

9164 9178 9185 8176 8165 10123 10145

10174 10187 10196 11137 11142 11152 11162

11169 11176 11182 11193 111116 111119 111128

469

111130 111126 12176 12189 121100 121115 12199

9147 9159 8166 10149 10158 10178 8169

11129 11137 11156 11143 11173 12191 121101

121142 121127 121101 12181 111127 121146 121137

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 12 \overline{) 13} \\ 12 \overline{) 20} \\ 12 \overline{) 14} \\ 12 \overline{) 19} \\ 12 \overline{) 17} \\ 12 \overline{) 15} \\ 12 \overline{) 21} \end{array}$$

$$\begin{array}{r} 2 \overline{) 30} \\ 12 \overline{) 22} \\ 12 \overline{) 31} \\ 12 \overline{) 23} \\ 12 \overline{) 34} \\ 12 \overline{) 26} \\ 12 \overline{) 37} \end{array}$$

$$\begin{array}{r} 12 \overline{) 40} \\ 12 \overline{) 51} \\ 12 \overline{) 42} \\ 12 \overline{) 53} \\ 12 \overline{) 44} \\ 12 \overline{) 56} \\ 12 \overline{) 49} \end{array}$$

410

$$\begin{array}{r} 12 \overline{) 63} \\ 12 \overline{) 67} \\ 12 \overline{) 76} \\ 12 \overline{) 79} \\ 12 \overline{) 88} \\ 12 \overline{) 85} \\ 12 \overline{) 91} \end{array}$$

$$\begin{array}{r} 12 \overline{) 101} \\ 12 \overline{) 105} \\ 12 \overline{) 114} \\ 12 \overline{) 117} \\ 12 \overline{) 123} \\ 12 \overline{) 129} \\ 12 \overline{) 134} \end{array}$$

$$\begin{array}{r} 12 \overline{) 139} \\ 12 \overline{) 141} \\ 12 \overline{) 145} \\ 12 \overline{) 98} \\ 12 \overline{) 95} \\ 12 \overline{) 106} \\ 12 \overline{) 133} \end{array}$$

$$\begin{array}{r} 12 \overline{) 69} \\ 12 \overline{) 74} \\ 12 \overline{) 65} \\ 12 \overline{) 147} \\ 12 \overline{) 39} \\ 12 \overline{) 103} \\ 12 \overline{) 138} \end{array}$$

Decimals - Multiplication

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | |
|----|-----|------|-----|-----|-------|------|------|------|
| 99 | .54 | 1.27 | .99 | .29 | 11.88 | 2.79 | 4.44 | 2.97 |
| X2 | X2 | X3 | 4 | X5 | X6 | X4 | X7 | X3 |

| | | | | | | |
|------|------|------|------|------|------|-----|
| 1.98 | 2.25 | 4.39 | 6.42 | 2.48 | 9.72 | .69 |
| X7 | X8 | X7 | X9 | X3 | X5 | X8 |

412

| | | | | | | |
|------|-------|-----|------|------|-----|-----|
| 38.5 | 68.25 | 4.9 | 5.72 | 1.29 | 1.5 | 4.6 |
| X4 | X6 | X3 | X8 | X5 | X8 | X7 |

NAME DATE CLASS TIME COUNT

449.95
x.50
785.27
x.20
469.52
x.10
6748.63
x.30

413

4392.5
x.40
6293.7
x.60
5432.8
x.70
573.82
x.90

42
x.25
65
x.38
48
x.50
73
x.42
86
x.95

COUNT

TIME

CLASS

DATE

NAME

$$432 \times 1000 =$$

$$79 \times 100 =$$

$$6425 \times 100 =$$

$$27.59 \times 10 =$$

$$64 \times 1000 =$$

$$.25 \times 100 =$$

$$48.79 \times 100 =$$

$$22.48 \times 10 =$$

$$157.93 \times 1000 =$$

$$46.259 \times 100 =$$

$$25.47 \times 10 =$$

$$56.95 \times 100 =$$

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} 46.2 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 37.95 \\ \times 7.3 \\ \hline \end{array}$$

$$\begin{array}{r} 64.82 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 79.6 \\ \times 4.8 \\ \hline \end{array}$$

$$\begin{array}{r} 7.2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 642 \\ \times 33 \\ \hline \end{array}$$

$$\begin{array}{r} 724 \\ \times 75 \\ \hline \end{array}$$

$$\begin{array}{r} 643.70 \\ \times 2.5 \\ \hline \end{array}$$

$$\begin{array}{r} 684.28 \\ \times 45 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

| | | | | |
|-------------|-------------|-------------|-------------|--------------|
| 480 | 8462 | 4880 | 650 | 9876 |
| <u>X.10</u> | <u>X.50</u> | <u>X.25</u> | <u>X.20</u> | <u>X1.00</u> |

416

| | | | | |
|-------------|------------|------------|------------|-------------|
| 4786 | 800.60 | 46.48 | 2.7 | 43.6 |
| <u>X2.5</u> | <u>X60</u> | <u>.09</u> | <u>X10</u> | <u>X4.2</u> |

Decimals - Division

COUNT

TIME

CLASS

DATE

NAME

$$9 \overline{) 1.8} \quad 2 \overline{) 2.24} \quad 4 \overline{) 4.04} \quad 8 \overline{) 2.48} \quad 5 \overline{) 5.15} \quad 3 \overline{) 6.03} \quad 6 \overline{) 1.26}$$

$$7 \overline{) 7.14} \quad 5 \overline{) 1.25} \quad 3 \overline{) .24} \quad 9 \overline{) 2.7} \quad 2 \overline{) 2.6} \quad 4 \overline{) 8.4} \quad 3 \overline{) 2.46}$$

418

$$5 \overline{) 5.05} \quad 6 \overline{) .36} \quad 8 \overline{) 2.7} \quad 3 \overline{) .303} \quad 2 \overline{) .24} \quad 9 \overline{) .45} \quad 4 \overline{) .24}$$

$$1.603 \quad 8 \overline{) .064} \quad 5 \overline{) .005} \quad 2 \overline{) .0202} \quad 4 \overline{) .24} \quad 7 \overline{) .224} \quad 9 \overline{) 4.5}$$

COUNT

TIME

CLASS

DATE

NAME

$$8 \overline{) 64.932}$$

$$7 \overline{) 14.14}$$

$$5 \overline{) 1.60}$$

$$4 \overline{) .248}$$

$$3 \overline{) 6.18}$$

$$9 \overline{) .927}$$

$$5 \overline{) 11.105}$$

$$2 \overline{) 1.050}$$

$$6 \overline{) 30.72}$$

$$3 \overline{) 927.6}$$

$$7 \overline{) 14.21}$$

119

$$2 \overline{) 48.2}$$

$$8 \overline{) 72.64}$$

$$3 \overline{) 60.69}$$

$$7 \overline{) 28,007}$$

$$6 \overline{) 30.6}$$

$$3 \overline{) 510.6}$$

$$6 \overline{) 54.06}$$

$$3 \overline{) 15.009}$$

$$8 \overline{) 563.2}$$

$$5 \overline{) 4.965}$$

$$2 \overline{) 6.96}$$

$$5 \overline{) 10.05}$$

| NAME | DATE | CLASS | TIME | COUNT |
|-------------|-----------|---------|-----------|------------------------------|
| 11/1.21 | 20/4020 | 10/10.1 | 16/3.36 | 21/6510. 53/530.53 |
| 18/018 | 30/30.06 | 41/4.92 | 35/105.70 | 22/682.22 12/240.16 11/352. |
| 12/2,436 | 52/1097.2 | 63/2520 | 25/100075 | 50/1,0150 13/3,9026 26/15.13 |
| 31/9610.062 | 20/10062 | 41/9040 | 17/13.6 | 18/401.98 11/2133 10/556.10 |

NAME DATE CLASS TIME COUNT

$$0.6 \sqrt{18} \quad .09 \sqrt{1.8} \quad .005 \sqrt{3.5} \quad .07 \sqrt{0.35} \quad 0.1 \sqrt{35}$$

$$8.0 \sqrt{1.2} \quad .01 \sqrt{10} \quad 0.1 \sqrt{0.1} \quad .01 \sqrt{7} \quad .01 \sqrt{10}$$

421

$$0.1 \sqrt{100} \quad .002 \sqrt{104} \quad 0.03 \sqrt{90.3} \quad .0001 \sqrt{8} \quad 1.6 \sqrt{32}$$

$$.5 \sqrt{10375} \quad .55 \sqrt{550.} \quad .25 \sqrt{105} \quad 11.1 \sqrt{933} \quad 0.01 \sqrt{1000}$$

| NAME | DATE | CLASS | TIME | COUNT |
|------------------|-----------------|-----------------|------|------------------|
| $35 \div 0.1$ | $7 \div 0.01$ | $3 \div 0.001$ | | $0.1 \div 100$ |
| $50 \div 0.01$ | $0.01 \div 10$ | $0.1 \div 0.01$ | | $0.01 \div 100$ |
| 422 | | | | |
| $100 \div 0.005$ | $50 \div 0.25$ | $126 \div 0.01$ | | $0.1 \div 1000$ |
| $10.8 \div 0.09$ | $5.16 \div 1.2$ | $280 \div 0.07$ | | $0.01 \div 1000$ |

Decimals - fractions

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Give Missing Numerator or Denominator

$$5.7 = 5 \frac{\square}{10} \quad 6.54 = 6 \frac{\square}{100} \quad 8.37 = 8 \frac{37}{\square} \quad 6.50 = 6 \frac{\square}{100} \quad 9.06 = 9 \frac{6}{\square}$$

$$30.43 = 30 \frac{\square}{100} \quad 8.276 = 8 \frac{\square}{1000} \quad 3.495 = 3 \frac{495}{\square} \quad .407 = \frac{\square}{1000} \quad .560 = \frac{\square}{1000}$$

$$.560 = \frac{\square}{100} \quad .078 = \frac{78}{\square} \quad 5.060 = 5 \frac{60}{\square} \quad .024 = \frac{\square}{1000} \quad 3.004 = 3 \frac{4}{\square}$$

Write decimal for each number

$$8 \frac{7}{10} = \quad 53 \frac{27}{100} = \quad \frac{75}{100} = \quad 54 \frac{357}{1000} = \quad 76 \frac{7}{100} =$$

$$873 \frac{9}{1000} = \quad 49 \frac{76}{1000} = \quad \frac{7}{20} = \quad \frac{9}{50} = \quad \frac{6}{25} =$$

$$8 \frac{34}{100} = \quad 9 \frac{214}{1000} = \quad 3 \frac{405}{100} = \quad 2 \frac{360}{1000} = \quad 1 \frac{76}{100} =$$

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Change fraction to decimal fraction

$$\frac{1}{2} = . \quad 21\frac{1}{2} = 63\frac{1}{2} = 100\frac{1}{2} = 1036\frac{1}{2} =$$

$$\frac{1}{4} = . \quad 67\frac{1}{4} = 260\frac{1}{4} = 87\frac{1}{4} = 1617\frac{1}{4} =$$

$$425\frac{3}{4} = 77\frac{3}{4} = 271\frac{3}{4} = 98\frac{3}{4} = 6782\frac{3}{4} =$$

$$\frac{1}{3} = 81\frac{1}{3} = 430\frac{1}{3} = 68\frac{1}{3} = 1621\frac{1}{3} =$$

$$\frac{2}{3} = 91\frac{2}{3} = 476\frac{2}{3} = 867\frac{2}{3} = 4721\frac{2}{3} =$$

$$\frac{1}{5} = 87\frac{1}{5} = 692\frac{1}{5} = 367\frac{1}{5} = 4112\frac{1}{5} =$$

Add - Change Answer to Common Fraction

Example

$$\begin{array}{r} .2 \\ + .5 \\ \hline .7 = \frac{7}{10} \end{array} \quad \begin{array}{r} .6 \\ + .3 \\ \hline .9 = \frac{9}{10} \end{array} \quad \begin{array}{r} .7 \\ + .1 \\ \hline .8 = \frac{8}{10} \end{array} \quad \begin{array}{r} 2.4 \\ + 3.3 \\ \hline 5.7 = \frac{57}{10} \end{array} \quad \begin{array}{r} 7.2 \\ + 4.6 \\ \hline 11.8 = \frac{118}{10} \end{array}$$

$$\begin{array}{r} 8.3 \\ + 9.0 \\ \hline 17.3 = \frac{173}{10} \end{array} \quad \begin{array}{r} 20.4 \\ + 30.5 \\ \hline 50.9 = \frac{509}{10} \end{array} \quad \begin{array}{r} 9.8 \\ + 6.5 \\ \hline 16.3 = \frac{163}{10} \end{array} \quad \begin{array}{r} 8.7 \\ + 6.4 \\ \hline 15.1 = \frac{151}{10} \end{array} \quad \begin{array}{r} 12.7 \\ + 8.3 \\ \hline 21.0 = \frac{210}{10} \end{array}$$

426

$$\begin{array}{r} 8.67 \\ + 1.42 \\ \hline 10.09 = \frac{1009}{100} \end{array} \quad \begin{array}{r} 9.71 \\ + 4.37 \\ \hline 14.08 = \frac{1408}{100} \end{array} \quad \begin{array}{r} 6.80 \\ + 2.34 \\ \hline 9.14 = \frac{914}{100} \end{array} \quad \begin{array}{r} 5.97 \\ + 1.07 \\ \hline 7.04 = \frac{704}{100} \end{array} \quad \begin{array}{r} 3.59 \\ + 2.53 \\ \hline 6.12 = \frac{612}{100} \end{array}$$

$$\begin{array}{r} 9.96 \\ + 3.24 \\ \hline 13.20 = \frac{1320}{100} \end{array} \quad \begin{array}{r} 1.86 \\ + 3.26 \\ \hline 5.12 = \frac{512}{100} \end{array} \quad \begin{array}{r} 1.90 \\ + 6.45 \\ \hline 8.35 = \frac{835}{100} \end{array} \quad \begin{array}{r} 7.86 \\ + 1.06 \\ \hline 8.92 = \frac{892}{100} \end{array} \quad \begin{array}{r} 4.58 \\ + 1.52 \\ \hline 6.10 = \frac{610}{100} \end{array}$$

$$\begin{array}{r} .492 \\ + .261 \\ \hline .753 = \frac{753}{1000} \end{array} \quad \begin{array}{r} .052 \\ + .068 \\ \hline .120 = \frac{120}{1000} \end{array} \quad \begin{array}{r} .004 \\ + .002 \\ \hline .006 = \frac{6}{1000} \end{array} \quad \begin{array}{r} .956 \\ + .844 \\ \hline 1.800 = \frac{1800}{1000} \end{array} \quad \begin{array}{r} .458 \\ + .542 \\ \hline 1.000 = \frac{1000}{1000} \end{array}$$

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Subtract - change Answer to Common Fraction

$$\begin{array}{r} .68 \\ - .23 \\ \hline \end{array} =$$

$$\begin{array}{r} 29.37 \\ - 5.62 \\ \hline \end{array} =$$

$$\begin{array}{r} 5.37 \\ - 1.28 \\ \hline \end{array} =$$

$$\begin{array}{r} 8.763 \\ - .043 \\ \hline \end{array} =$$

$$\begin{array}{r} 206.4 \\ - 53.32 \\ \hline \end{array} =$$

$$\begin{array}{r} 102.35 \\ - 41.17 \\ \hline \end{array} =$$

$$\begin{array}{r} .876 \\ .199 \\ \hline \end{array} =$$

$$\begin{array}{r} 700.3 \\ - 267.5 \\ \hline \end{array} =$$

$$\begin{array}{r} 5.004 \\ - 1.333 \\ \hline \end{array} =$$

$$\begin{array}{r} 1054 \\ .026 \\ \hline \end{array} =$$

$$\begin{array}{r} 17.723 \\ - 9.824 \\ \hline \end{array} =$$

$$\begin{array}{r} 1600.6 \\ 824.7 \\ \hline \end{array} =$$

$$\begin{array}{r} 152.05 \\ 75.19 \\ \hline \end{array} =$$

$$\begin{array}{r} 8.07 \\ - 2.63 \\ \hline \end{array} =$$

$$\begin{array}{r} 422 \\ 17.723 \\ - 9.824 \\ \hline \end{array} =$$

$$\begin{array}{r} .26 \\ - .14 \\ \hline \end{array} =$$

$$\begin{array}{r} 26.4 \\ - 18.7 \\ \hline \end{array} =$$

$$\begin{array}{r} .042 \\ - .016 \\ \hline \end{array} =$$

$$\begin{array}{r} 4.92 \\ - 2.87 \\ \hline \end{array} =$$

$$\begin{array}{r} .508 \\ .426 \\ \hline \end{array} =$$

$$\begin{array}{r} 3.170 \\ - 1.586 \\ \hline \end{array} =$$

$$\begin{array}{r} 1.6 \\ - .7 \\ \hline \end{array} =$$

$$\begin{array}{r} .327 \\ - .146 \\ \hline \end{array} =$$

$$\begin{array}{r} 9.4 \\ - 9.2 \\ \hline \end{array} =$$

$$\begin{array}{r} .006 \\ .002 \\ \hline \end{array} =$$

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Add or Subtract - Change to Common Fraction

$$\begin{array}{r} 867 \\ + 1.42 \\ \hline \end{array} = \begin{array}{r} 9.71 \\ + 432 \\ \hline \end{array} = \begin{array}{r} 680 \\ + 2.34 \\ \hline \end{array} = \begin{array}{r} 5.97 \\ + 1.07 \\ \hline \end{array} = \begin{array}{r} 3.59 \\ + 2.53 \\ \hline \end{array} =$$

$$\begin{array}{r} 3.170 \\ - 1.586 \\ \hline \end{array} = \begin{array}{r} 1.6 \\ - 1.7 \\ \hline \end{array} = \begin{array}{r} .327 \\ - .146 \\ \hline \end{array} = \begin{array}{r} 9.4 \\ - 9.2 \\ \hline \end{array} = \begin{array}{r} .006 \\ - .002 \\ \hline \end{array} =$$

$$\begin{array}{r} .492 \\ + .261 \\ \hline \end{array} = \begin{array}{r} .052 \\ + .068 \\ \hline \end{array} = \begin{array}{r} .004 \\ + .002 \\ \hline \end{array} = \begin{array}{r} 7.86 \\ + 1.06 \\ \hline \end{array} = \begin{array}{r} 9.58 \\ + 1.52 \\ \hline \end{array} =$$

Write a decimal for each Number

$$873 \frac{9}{1000} = 49 \frac{76}{1000} = \frac{7}{20} = 54 \frac{357}{1000} = 76 \frac{7}{100} =$$

$$21 \frac{1}{4} = 362 \frac{1}{2} = 479 \frac{1}{3} = 892 \frac{2}{3} = 474 \frac{3}{4} =$$

$$62 \frac{1}{5} = 87 \frac{2}{5} = 462 \frac{1}{16} = 37 \frac{1}{12} = 826 \frac{1}{10} =$$

Expand fractions to include reducing etc.

COUNT

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$$\frac{2}{4} = \frac{2}{2}$$

$$\frac{2}{3} = \frac{2}{6}$$

$$\frac{3}{4} = \frac{3}{8}$$

$$\frac{1}{2} = \frac{1}{4}$$

$$\frac{1}{4} = \frac{1}{8}$$

$$\frac{2}{2} = \frac{2}{4}$$

$$\frac{2}{5} = \frac{2}{10}$$

$$\frac{3}{5} = \frac{3}{10}$$

$$\frac{1}{3} = \frac{1}{9}$$

$$\frac{2}{3} = \frac{2}{6}$$

$$\frac{1}{3} = \frac{1}{6}$$

$$\frac{4}{5} = \frac{4}{10}$$

$$\frac{3}{8} = \frac{3}{16}$$

$$\frac{3}{4} = \frac{3}{8}$$

$$\frac{2}{8} = \frac{2}{4}$$

$$\frac{2}{5} = \frac{2}{10}$$

$$\frac{2}{6} = \frac{2}{3}$$

$$\frac{3}{9} = \frac{3}{3}$$

$$\frac{7}{8} = \frac{7}{16}$$

$$\frac{4}{8} = \frac{4}{2}$$

$$\frac{3}{9} = \frac{3}{6}$$

$$\frac{6}{10} = \frac{6}{5}$$

$$\frac{2}{8} = \frac{2}{4}$$

$$\frac{6}{8} = \frac{6}{4}$$

| NAME | DATE | CLASS | TIME | COUNT |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------|
| $\frac{3}{9} = \frac{\quad}{6}$ | $\frac{6}{10} = \frac{\quad}{5}$ | $\frac{2}{8} = \frac{\quad}{4}$ | $\frac{6}{8} = \frac{\quad}{4}$ | |
| $\frac{2}{6} = \frac{\quad}{3}$ | $\frac{3}{9} = \frac{\quad}{3}$ | $\frac{7}{8} = \frac{\quad}{16}$ | $\frac{4}{8} = \frac{\quad}{2}$ | |
| $\frac{3}{8} = \frac{\quad}{16}$ | $\frac{3}{4} = \frac{\quad}{8}$ | $\frac{2}{8} = \frac{\quad}{4}$ | $\frac{3}{5} = \frac{\quad}{10}$ | |
| $\frac{1}{2} = \frac{\quad}{4}$ | $\frac{3}{4} = \frac{\quad}{8}$ | $\frac{2}{4} = \frac{\quad}{2}$ | $\frac{2}{3} = \frac{\quad}{6}$ | |
| $\frac{1}{4} = \frac{\quad}{8}$ | $\frac{2}{8} = \frac{\quad}{4}$ | $\frac{2}{5} = \frac{\quad}{10}$ | $\frac{3}{5} = \frac{\quad}{10}$ | |
| $\frac{1}{3} = \frac{\quad}{9}$ | $\frac{2}{3} = \frac{\quad}{6}$ | $\frac{1}{3} = \frac{\quad}{6}$ | $\frac{4}{5} = \frac{\quad}{10}$ | |

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$$\frac{4}{10} = \frac{4}{5} \quad \frac{1}{6} = \frac{1}{3} \quad \frac{2}{6} = \frac{2}{3} \quad \frac{1}{9} = \frac{1}{3}$$

$$\frac{7}{10} = \frac{7}{5} \quad \frac{2}{10} = \frac{2}{5} \quad \frac{2}{4} = \frac{2}{8} \quad \frac{1}{8} = \frac{1}{4}$$

$$\frac{2}{6} = \frac{2}{3} \quad \frac{2}{2} = \frac{2}{4} \quad \frac{3}{8} = \frac{3}{4} \quad \frac{1}{4} = \frac{1}{2}$$

$$\frac{3}{10} = \frac{3}{5} \quad \frac{2}{4} = \frac{2}{8} \quad \frac{3}{8} = \frac{3}{4} \quad \frac{3}{16} = \frac{3}{8}$$

$$\frac{4}{2} = \frac{4}{8} \quad \frac{7}{16} = \frac{7}{8} \quad \frac{3}{3} = \frac{3}{9} \quad \frac{2}{3} = \frac{2}{6}$$

$$\frac{6}{4} = \frac{6}{8} \quad \frac{2}{4} = \frac{2}{8} \quad \frac{6}{5} = \frac{6}{10} \quad \frac{3}{6} = \frac{3}{9}$$

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

$$\frac{3}{9} = \frac{1}{3} = \frac{2}{6} = \frac{4}{12} = \frac{6}{18} = \frac{8}{24}$$

$$\frac{6}{8} = \frac{3}{4} = \frac{9}{16} = \frac{12}{24} = \frac{15}{30} = \frac{18}{36}$$

$$\frac{7}{8} = \frac{14}{16} = \frac{21}{24} = \frac{28}{32} = \frac{35}{40} = \frac{42}{48}$$

$$\frac{4}{4} = \frac{6}{6} = \frac{8}{8} = \frac{10}{10} = \frac{12}{12} = \frac{14}{14}$$

$$\frac{6}{9} = \frac{2}{3} = \frac{4}{6} = \frac{8}{12} = \frac{10}{15} = \frac{12}{18}$$

$$\frac{2}{2} = \frac{4}{4} = \frac{6}{6} = \frac{8}{8} = \frac{10}{10} = \frac{12}{12}$$

COUNT

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$$\frac{3}{5} = \frac{10}{15} = \frac{2}{5} = \frac{10}{10} = \frac{2}{2}$$

$$\frac{1}{3} = \frac{6}{9} = \frac{2}{3} = \frac{6}{6} = \frac{1}{3}$$

$$\frac{10}{10} = \frac{3}{5} = \frac{15}{15} = \frac{2}{8} = \frac{4}{4} = \frac{16}{16}$$

$$\frac{3}{8} = \frac{16}{32} = \frac{4}{8} = \frac{4}{4} = \frac{7}{8} = \frac{16}{32}$$

$$\frac{3}{9} = \frac{6}{6} = \frac{3}{3} = \frac{9}{9} = \frac{6}{8} = \frac{16}{16}$$

$$\frac{4}{4} = \frac{2}{8} = \frac{16}{16} = \frac{6}{10} = \frac{5}{5} = \frac{15}{15} = \frac{3}{9} = \frac{3}{3}$$

$$\frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1} = \frac{1}{1}$$

Dividing objects or sets of objects.

COUNT

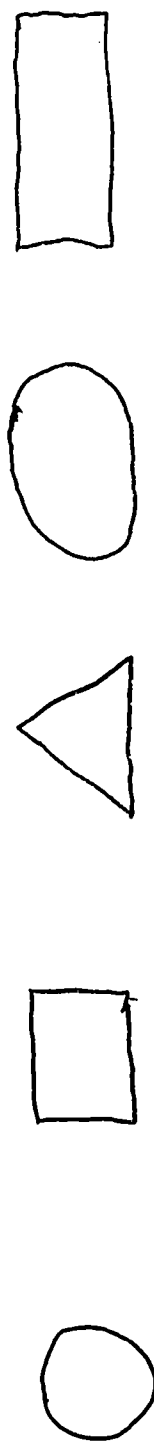
TIME

CLASS

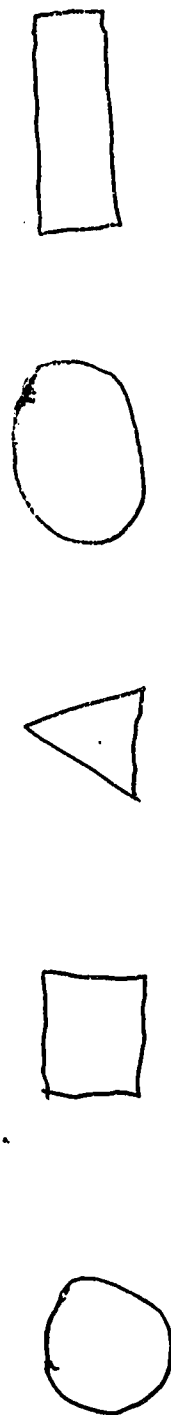
DATE

NAME

Divide these objects into 2 parts



Divide these objects into 3 parts



Divide these objects into 4 parts



Divide these objects into 5 parts



NAME



DATE

CLASS

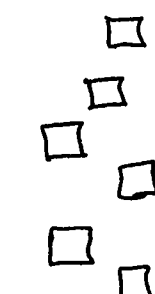
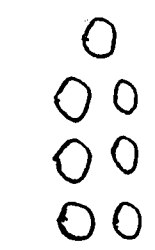


TIME

COUNT


Divide these sets into 2 subsets

1.  2.  3.  4. 

Divide these sets into 3 subsets

1.  2.  3.  4. 

Divide these sets into 4 subsets

1.  2.  3.  4. 

Divide these sets into 5 subsets

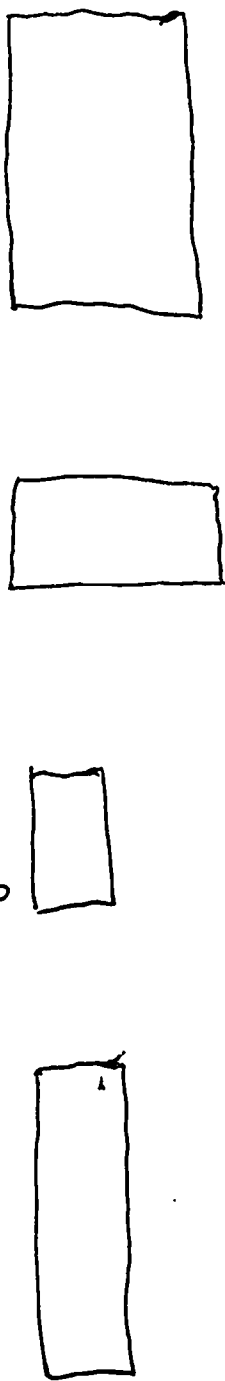
1.  2.  3.  4. 

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

1. Divide these objects into 2 equal parts



2. Divide these objects into 3 equal parts



3. Divide these objects into 4 equal parts



4. Divide these objects into 5 equal parts



COUNT

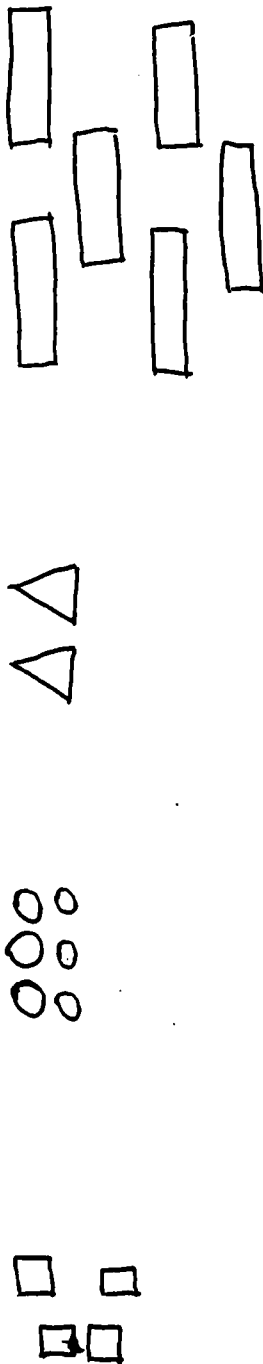
TIME

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NAME

DIVIDE THESE SETS OF OBJECTS INTO 2 EQUAL SUBSETS



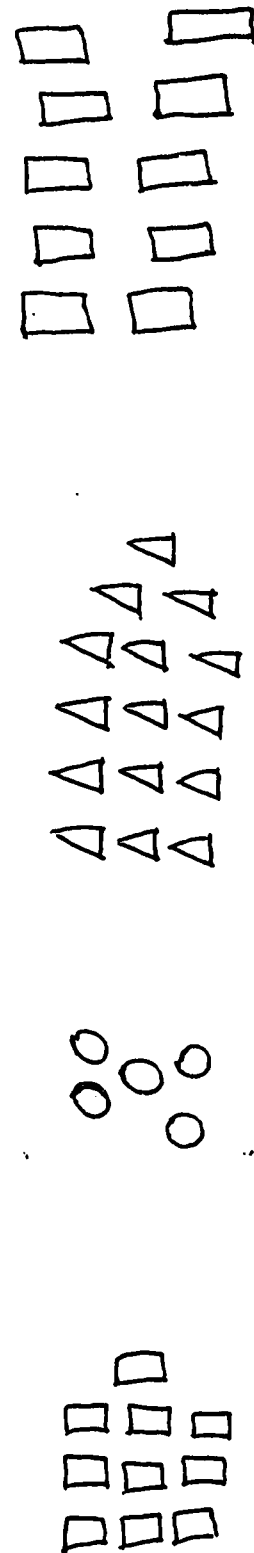
DIVIDE THESE SETS OF OBJECTS INTO 3 EQUAL SUBSETS



DIVIDE THESE SETS OF OBJECTS INTO 4 EQUAL SUBSETS



DIVIDE THESE SETS OF OBJECTS INTO 5 EQUAL SUBSETS



Identifying $\frac{1}{2}$ of an object or set of objects.

COUNT

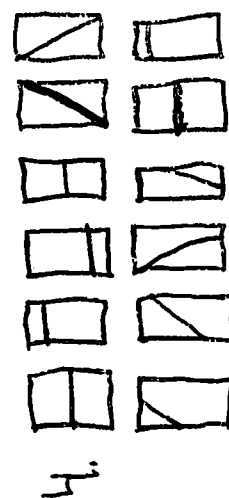
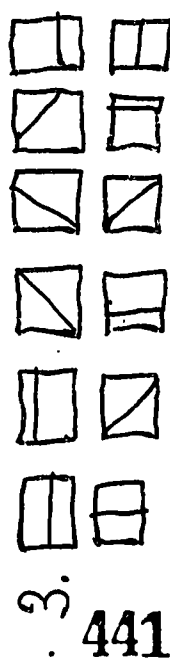
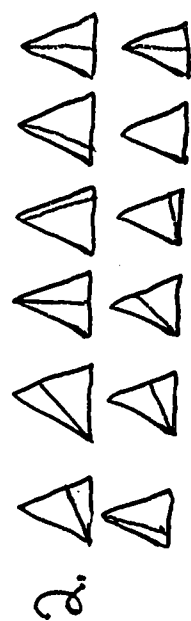
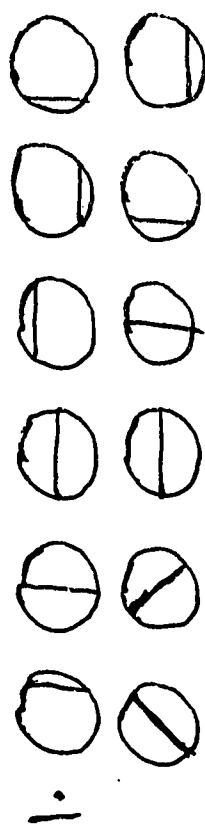
TIME

CLASS

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NAME

Circle the pictures which are divided in half.



COUNT

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NAME

Circle half of each set of objects

1. ○○○○ 2. △△△△ 3. □□ 4. εεεεεε 5. ☆☆☆☆☆☆

6. ○○○○ 7. △△△△ 8. □□ 9. εεεεεε

10. ○○○○ 11. ☆☆☆☆ 12. |||| 13. ○○○○

14. □□□□ 15. ~~~~~ 16. ○○○○

COUNT

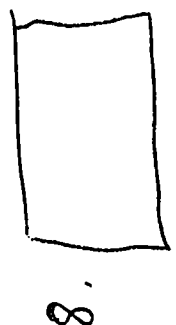
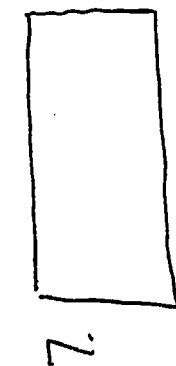
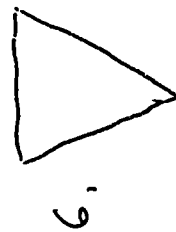
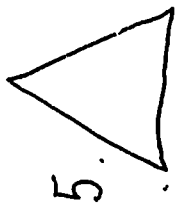
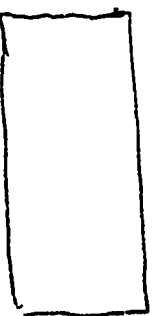
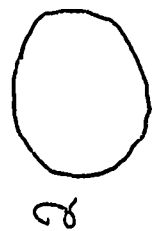
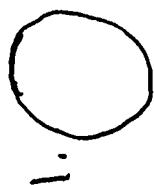
TIME

CLASS

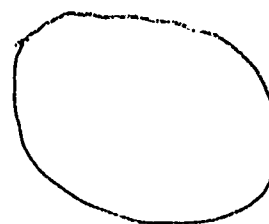
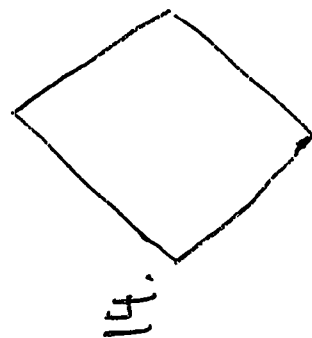
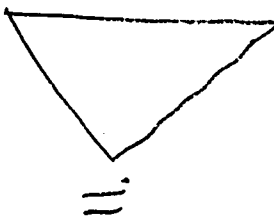
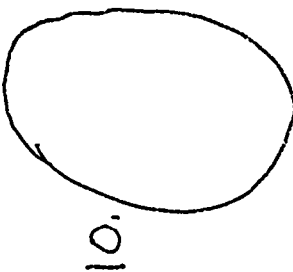
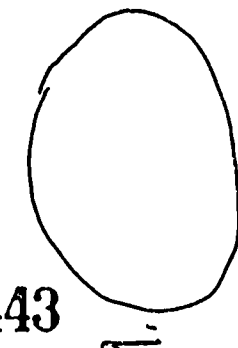
DATE

NAME

Divide these pictures in halves



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NAME


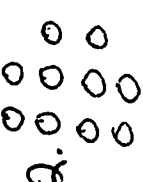

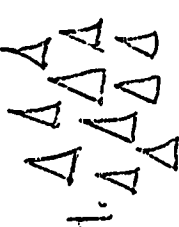

DATE

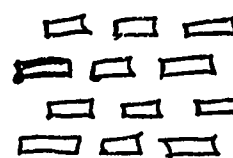
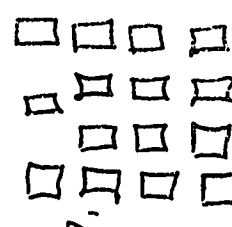



CLASS

TIME

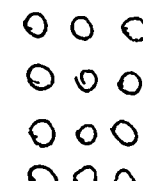
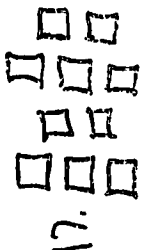

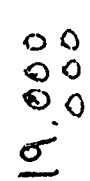
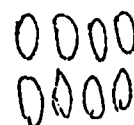
COUNT

Divide these sets into half sets

1.  2.  3.  4.  5. 

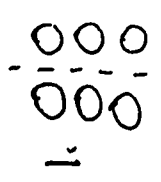
6.  7.  8.  9.  10. 

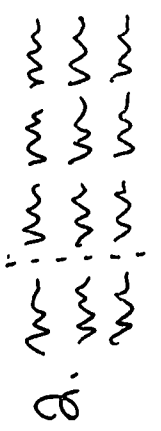
11.  12.  13.  14.  15. 


16.  17.  18.  19.  20. 


NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____


Circle pictures or sets which are divided in half.

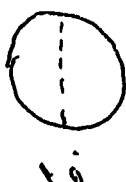
1. 


2. 

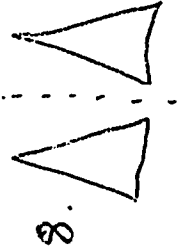
3. 


4. 

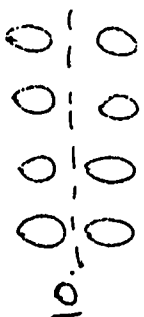
5. 


6. 

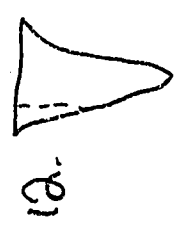
7. 


8. 

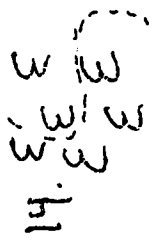
9. 

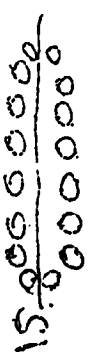
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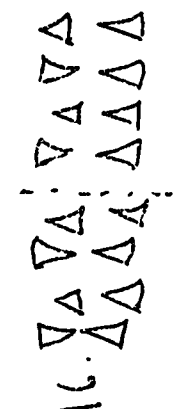
11. 


12. 

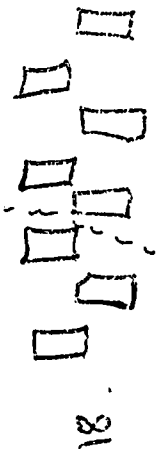
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14. 

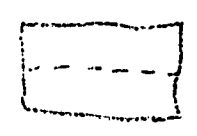
15. 


16. 

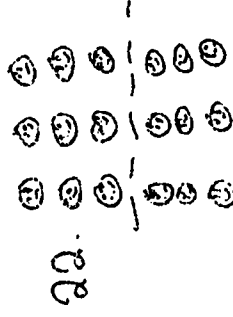
17. 

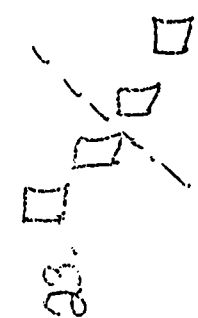
18. 

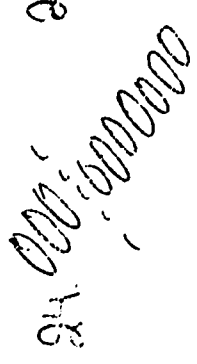
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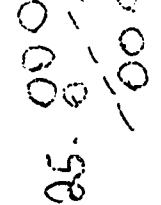
20. 

21. 

22. 

23. 

24. 








25. 



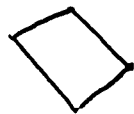




Using correctly and responding to use of the terms "Whole" and "one-half" in reference to objects or sets of objects.







NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

WRITE THE WORD "WHOLE" UNDER ANY PICTURE WHICH IS WHOLE.

1  2  3  4  5  6  7 

8  9  10  11  12  13  14 

15  16  17  18  19  20  21 

22  23  24  25  26  27  28 

NAME _____

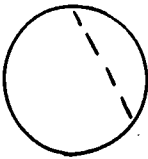
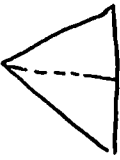





DATE _____

CLASS _____




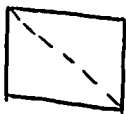
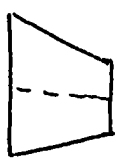


TIME _____

COUNT _____

Put "one-half" under objects which are divided into halves.






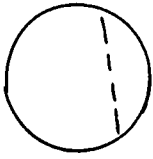

1.        _____

_____ 4 _____ 5 _____ 6 _____ 7 _____

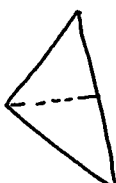




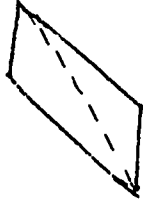

       _____

8 _____ 9 _____ 10 _____ 11 _____ 12 _____ 13 _____ 14 _____

448

       _____

15 _____ 16 _____ 17 _____ 18 _____ 19 _____ 20 _____ 21 _____

       _____

22 _____ 23 _____ 24 _____ 25 _____ 26 _____ 27 _____ 28 _____

COUNT

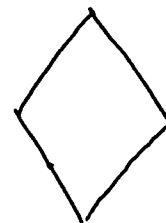
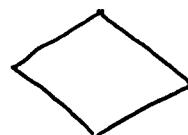
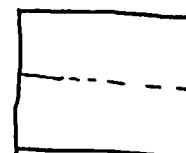
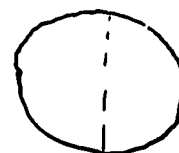
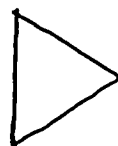
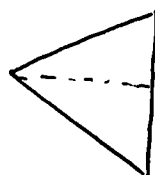
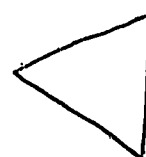
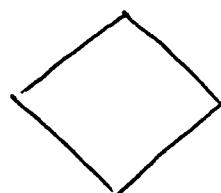
TIME

CLASS

DATE

NAME

Put "whole" or "one-half" under each picture.



NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write "whole" under each set which is not divided

1. $\frac{00}{00}$ 2. $\square \square \square$ 3. $\triangle \triangle \triangle \triangle$ 4. $\sim \sim \sim$ 5. $\odot \odot$ 6. 00

7. $\sim \sim \sim \sim \sim$ 8. $\square \square \square$ 9. $\nabla \nabla \nabla$ 10. $\star \star \star \star$ 11. $\varepsilon \varepsilon \varepsilon \varepsilon$ 12. 00000

450

13. $|||||$ 14. $\triangle \triangle \triangle \triangle$ 15. $\nabla \nabla \nabla \nabla$ 16. $\frac{0000}{0000}$ 17. $\frac{---}{---}$

18. $\{ \{ \{ \{ \{ \}$ 19. $\boxtimes \boxtimes \boxtimes \boxtimes \boxtimes$ 20. $\star \star \star$ 21. \odot 22. $\square \square \square \square$

Identifying " $\frac{1}{2}$ " of an object or set of objects. Limit of 12 objects.

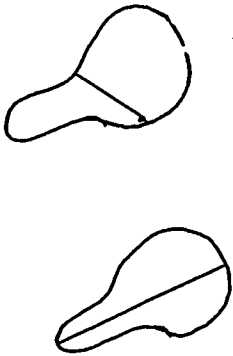
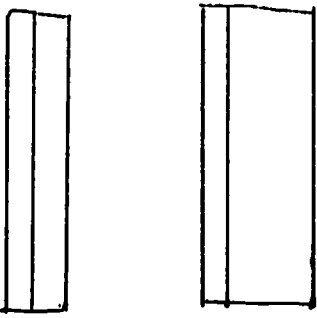

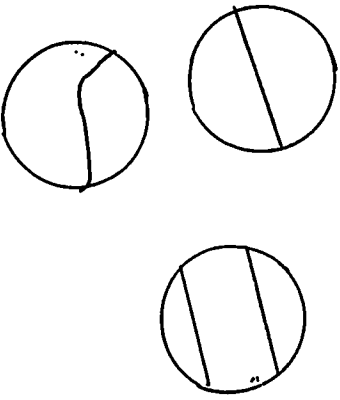
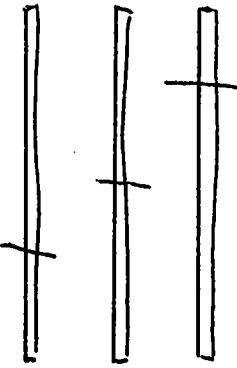
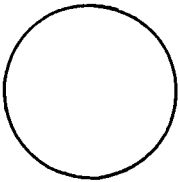
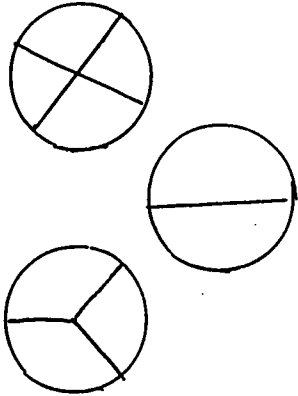
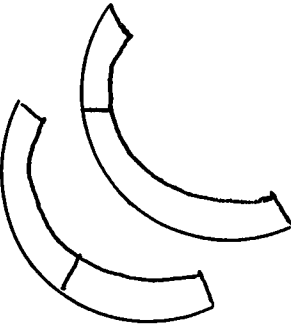
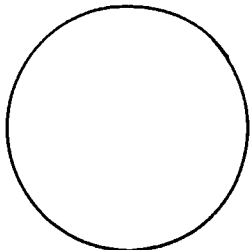
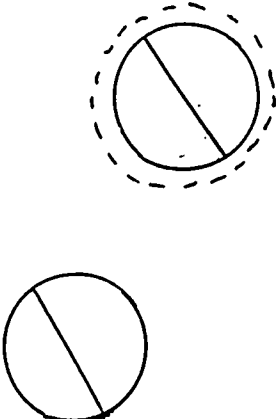
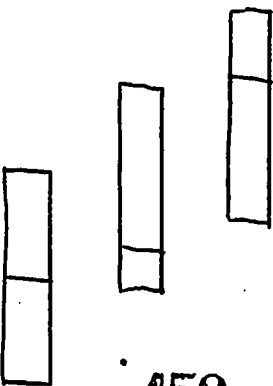
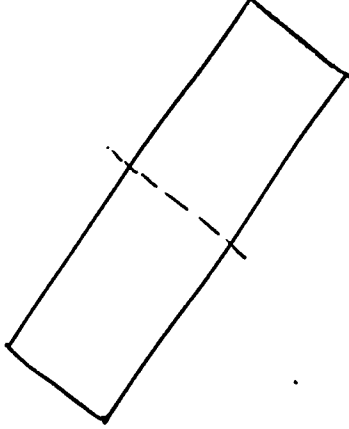
COUNT

TIME

CLASS

DATE

NAME

| | | |
|---|--|---|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

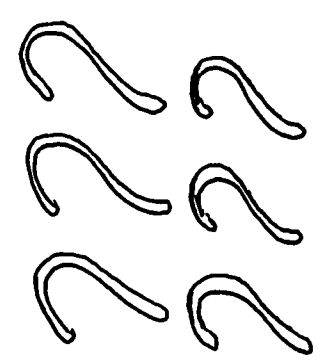
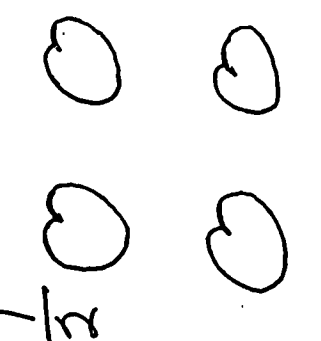
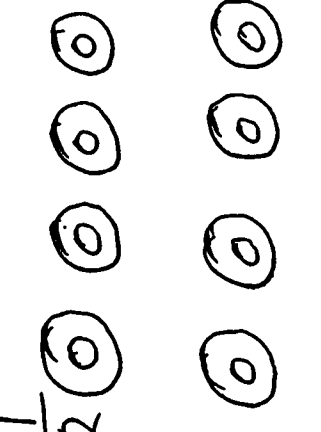
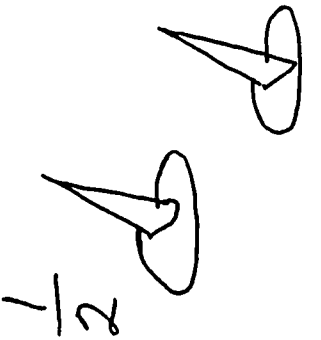
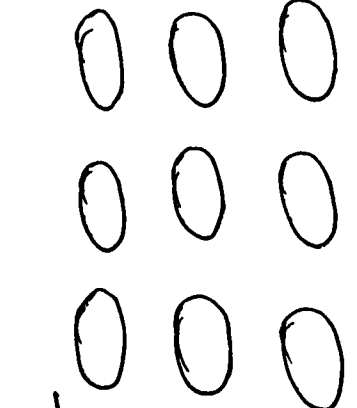
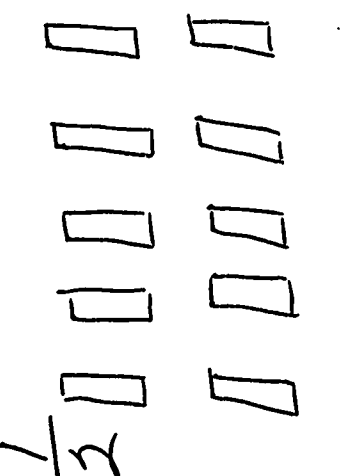
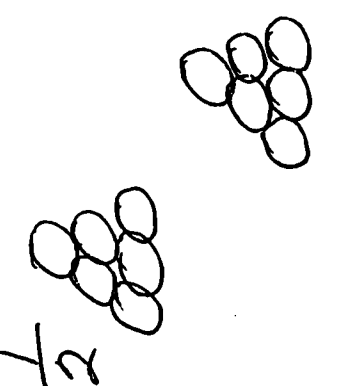
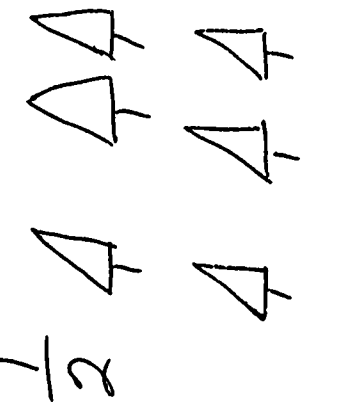
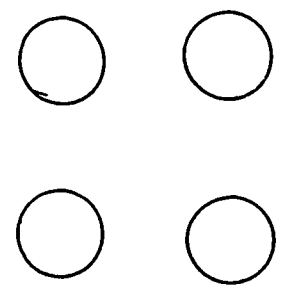
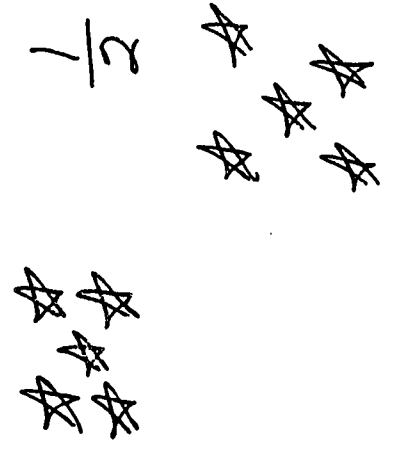
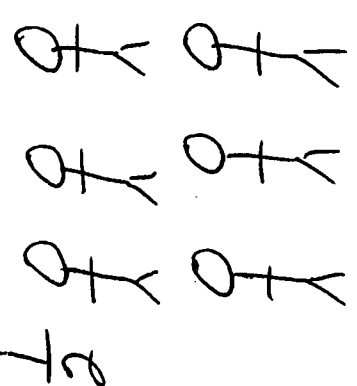
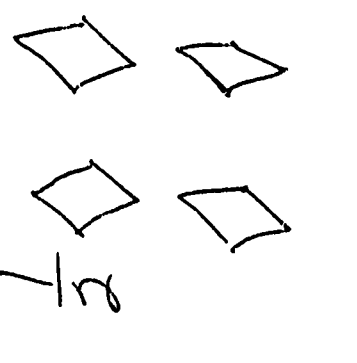
COUNT

TIME

CLASS

DATE

NAME

| | | | |
|---|---|--|---|
| $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  |
| $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  |
| $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{1}{2}$  |

Dividing an object or set of objects in "half".

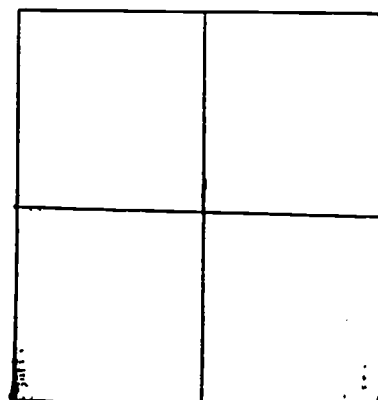
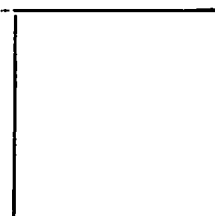
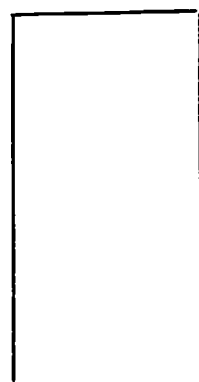
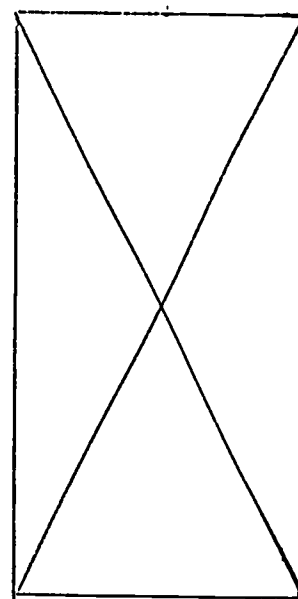
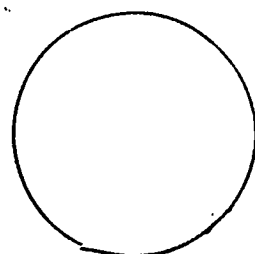
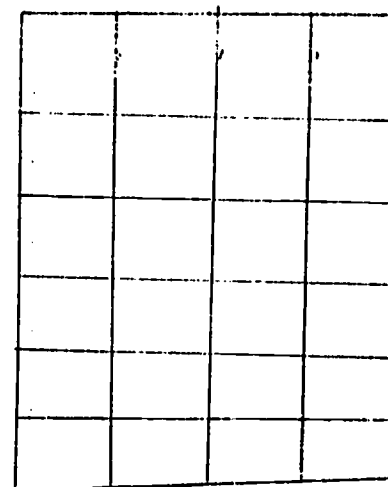
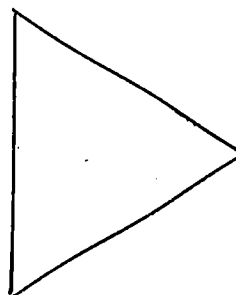
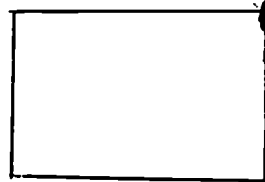
COUNT

TIME

CLASS

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NAME



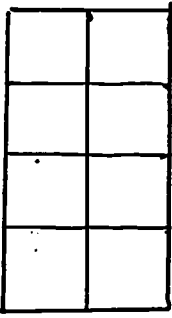
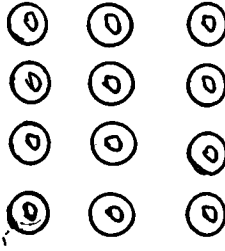
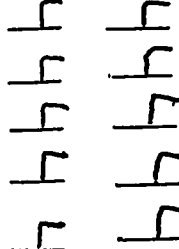
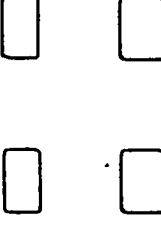

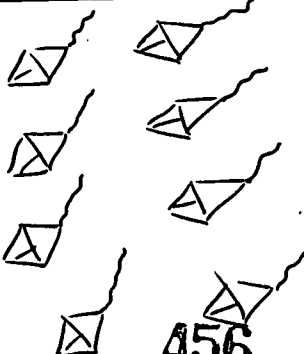
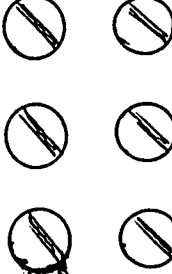
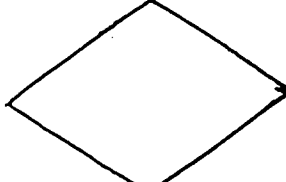
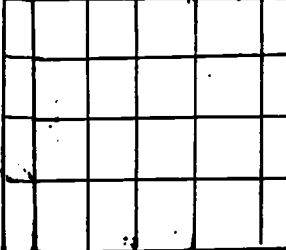
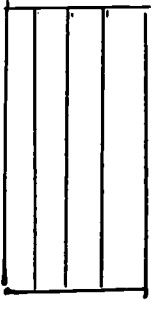
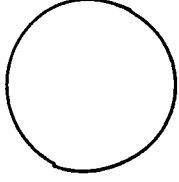
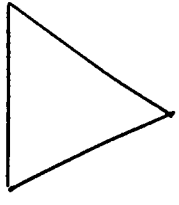

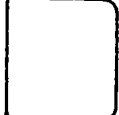
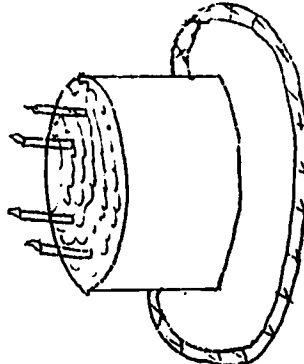
COUNT

TIME

CLASS

DATE

NAME

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|--------------------------------|--------------------------------|--------------------------------|
| $= 05 \text{ fo } \frac{2}{1}$ | $= 81 \text{ fo } \frac{2}{1}$ | $= 21 \text{ fo } \frac{2}{1}$ |
| $= 84 \text{ fo } \frac{2}{1}$ | $= 22 \text{ fo } \frac{2}{1}$ | $= 01 \text{ fo } \frac{2}{1}$ |
| $= 24 \text{ fo } \frac{2}{1}$ | $= 91 \text{ fo } \frac{2}{1}$ | $= 2 \text{ fo } \frac{2}{1}$ |
| $= 82 \text{ fo } \frac{2}{1}$ | $= 02 \text{ fo } \frac{2}{1}$ | $= 9 \text{ fo } \frac{2}{1}$ |
| $= 04 \text{ fo } \frac{2}{1}$ | $= 41 \text{ fo } \frac{2}{1}$ | $= 8 \text{ fo } \frac{2}{1}$ |
| $= 92 \text{ fo } \frac{2}{1}$ | $= 42 \text{ fo } \frac{2}{1}$ | $= 4 \text{ fo } \frac{2}{1}$ |

COUNT

TIME

CLASS

DATE

NAME

| NAME | DATE | CLASS | TIME | COUNT | |
|-----------------------|----------------------|---------|-----------------------------|----------------------|--------|
| $\frac{1}{2}$ Dozen = | <input type="text"/> | Things | $\frac{1}{2}$ year = | <input type="text"/> | months |
| $\frac{1}{2}$ pound = | <input type="text"/> | ounces | $\frac{1}{2}$ of a dollar = | <input type="text"/> | Cents |
| $\frac{1}{2}$ yard = | <input type="text"/> | inches | $\frac{1}{2}$ day = | <input type="text"/> | hours |
| $\frac{1}{2}$ foot = | <input type="text"/> | inches | $\frac{1}{2}$ gallon = | <input type="text"/> | quarts |
| $\frac{1}{2}$ quart = | <input type="text"/> | pint | $\frac{1}{2}$ of \$.50 = | <input type="text"/> | Cents |
| $\frac{1}{2}$ hour = | <input type="text"/> | minutes | $\frac{1}{2}$ of .10¢ = | <input type="text"/> | Cents |

Dividing a whole object into halves, thirds, or fourths and identifying an object divided into halves, thirds, or fourths.

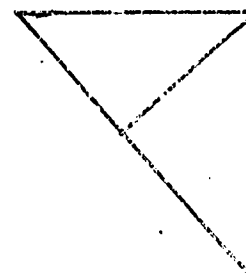
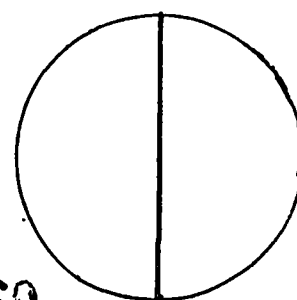
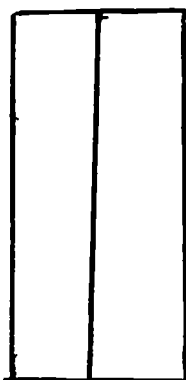
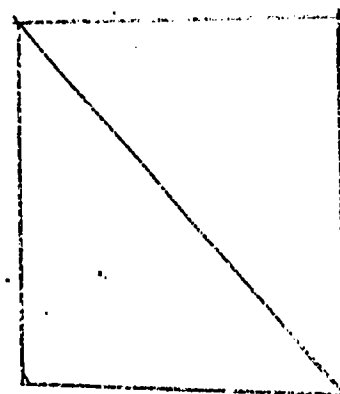
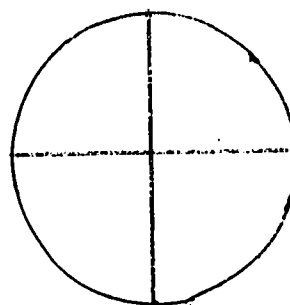
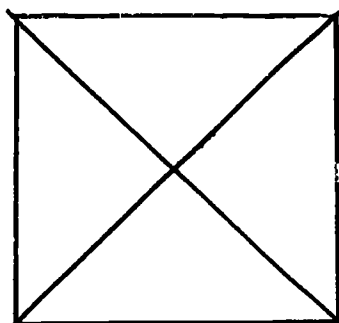
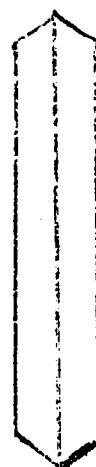
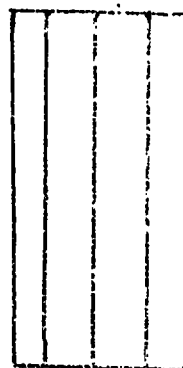
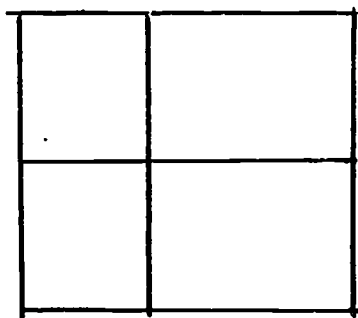
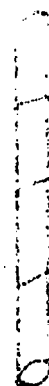
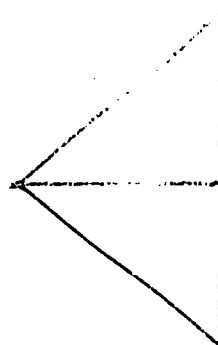
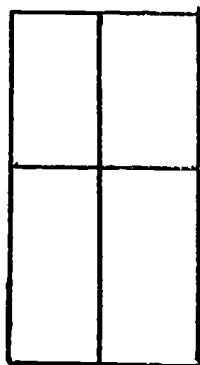
COUNT

TIME

CLASS

DATE

NAME



COUNT

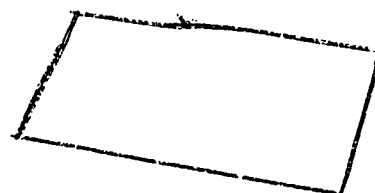
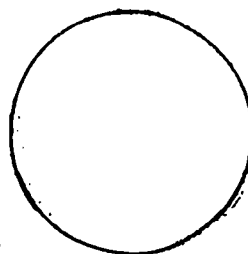
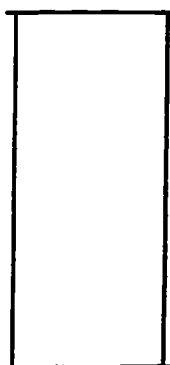
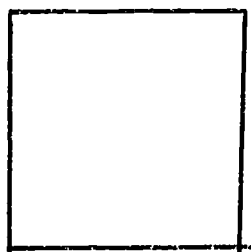
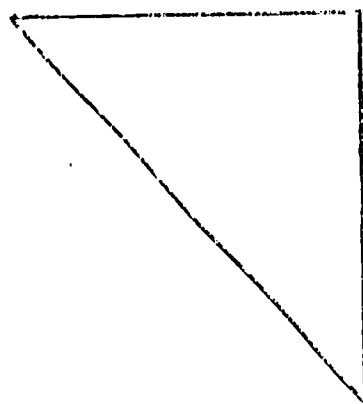
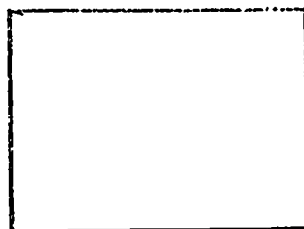
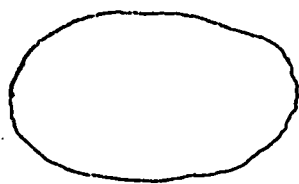
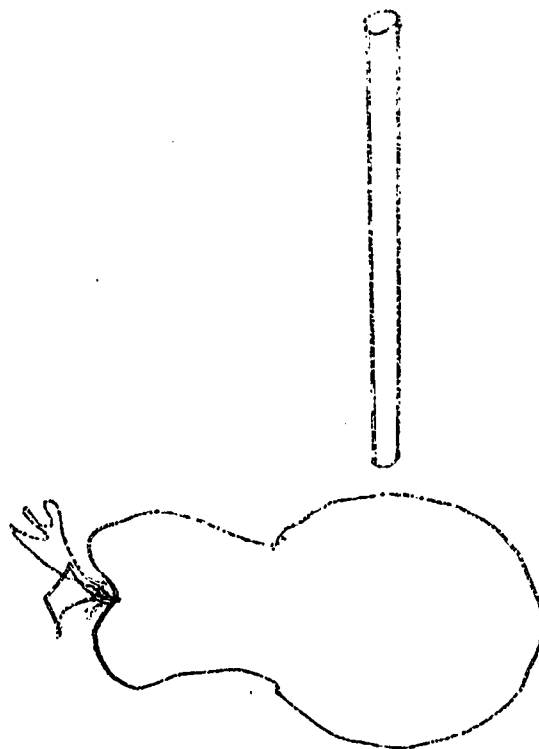
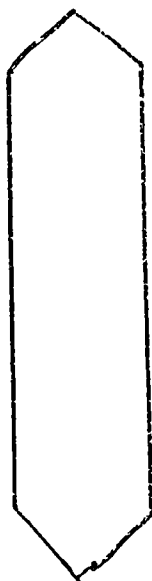
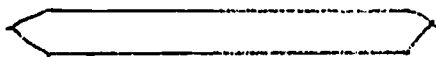
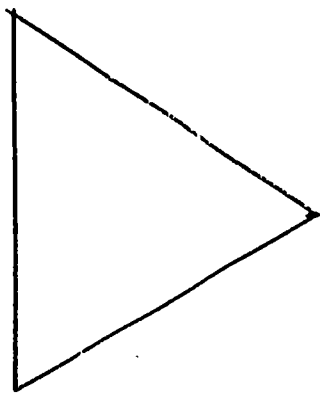
TIME

CLASS

DATE

NAME

Divide each region in $\frac{1}{2}$.



COUNT

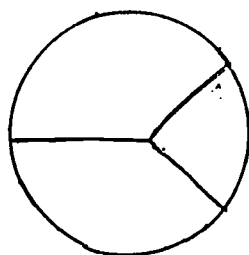
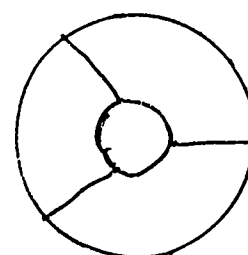
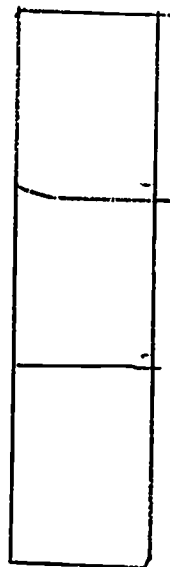
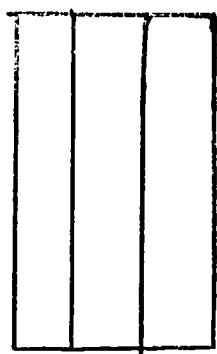
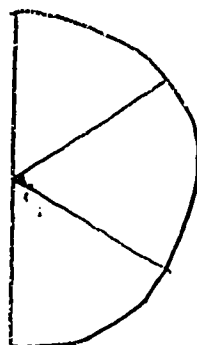
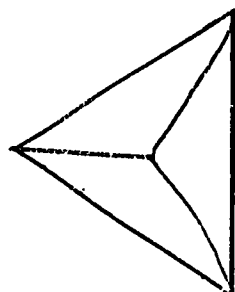
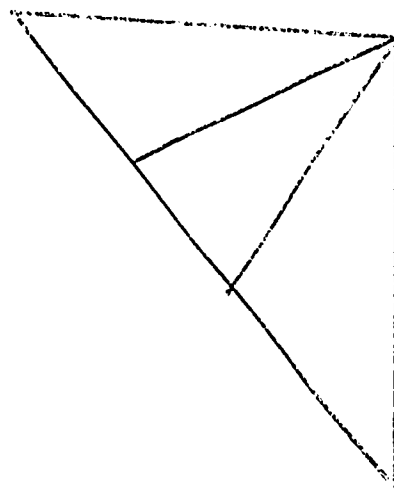
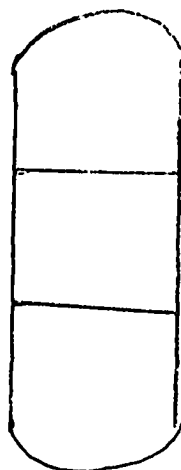
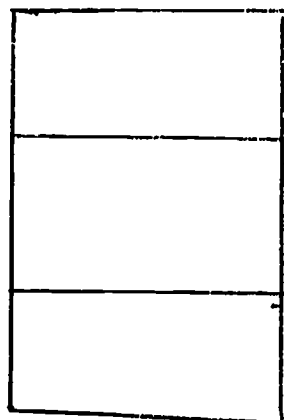
TIME

CLASS

DATE

NAME

Color $\frac{1}{3}$ of each region.



COUNT

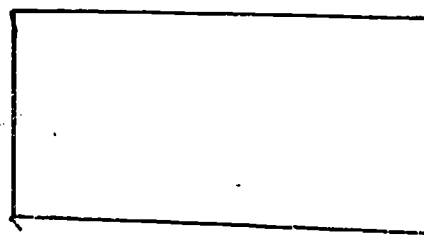
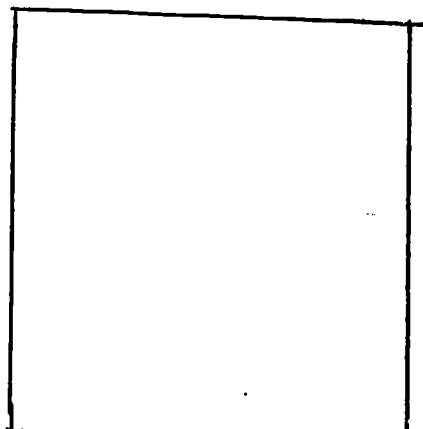
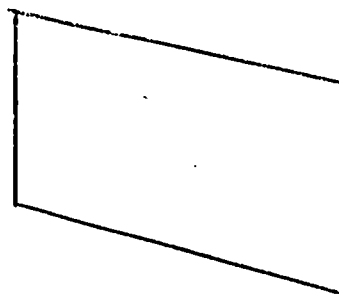
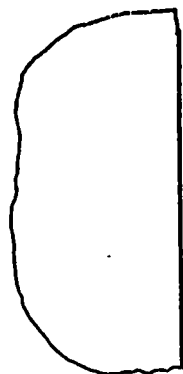
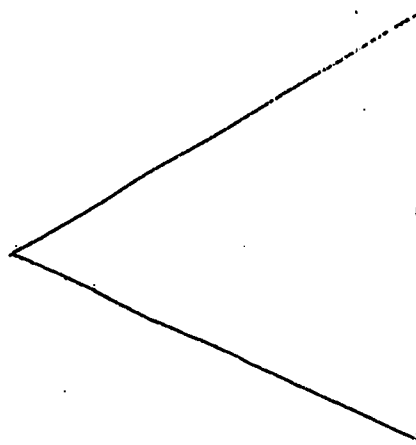
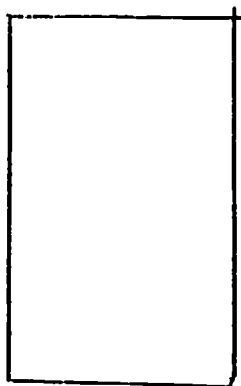
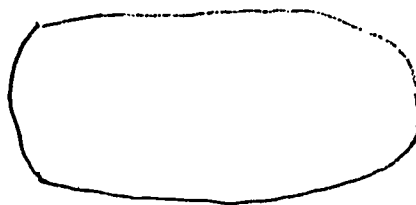
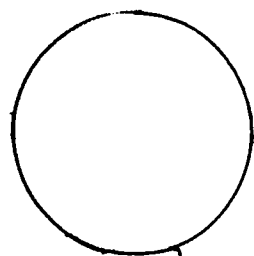
TIME

CLASS

DATE

NAME

Divide each region in $\frac{1}{3}$'s.



463

COUNT

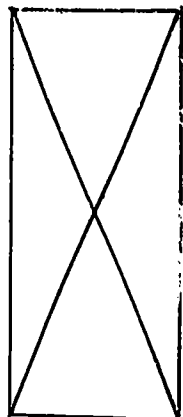
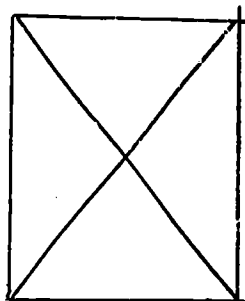
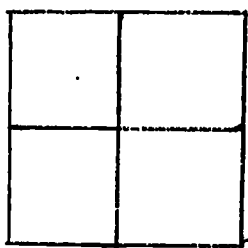
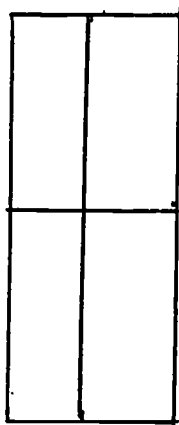
TIME

CLASS

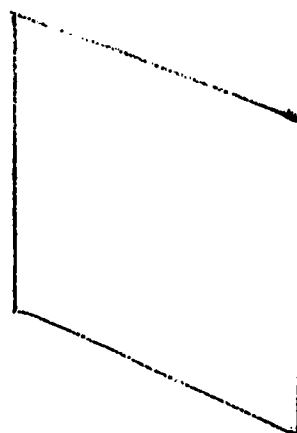
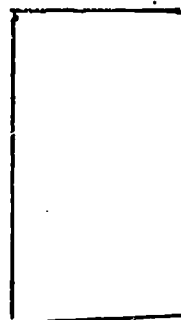
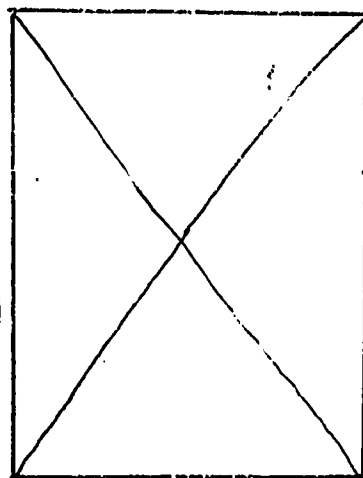
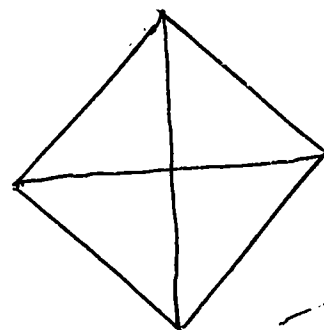
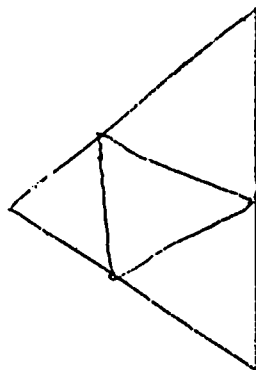
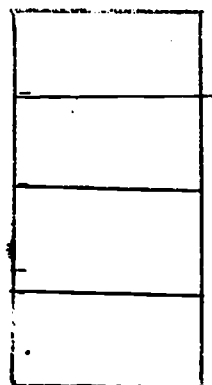
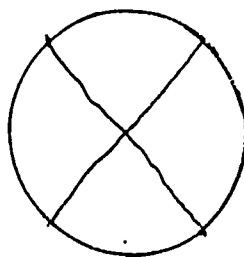
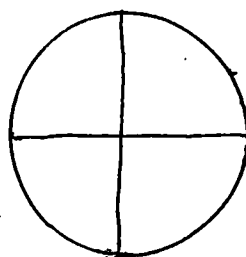
DATE

NAME

Color one fourth of each region.



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COUNT

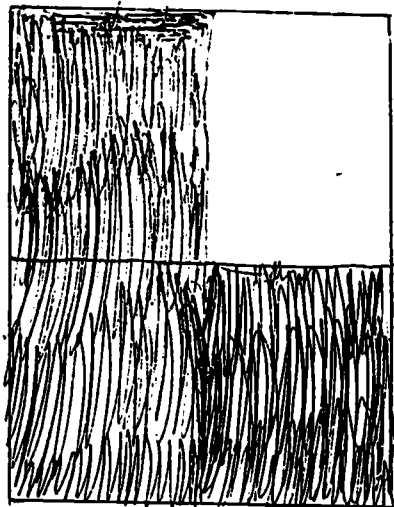
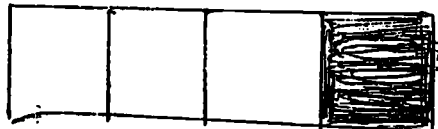
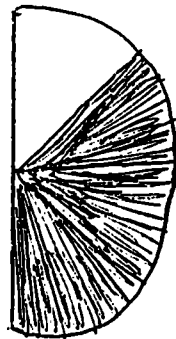
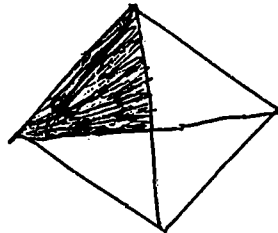
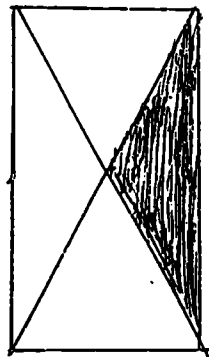
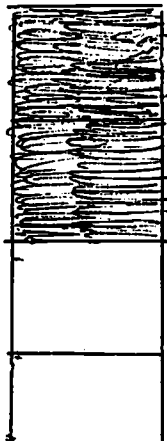
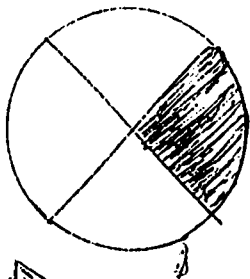
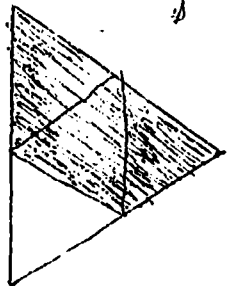
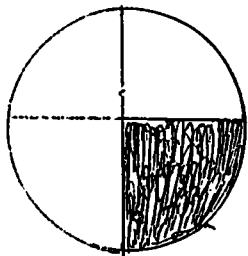
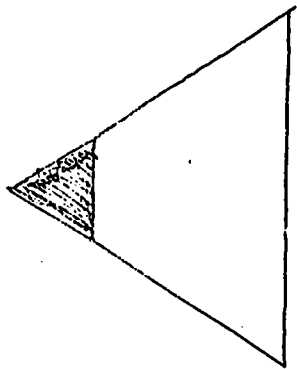
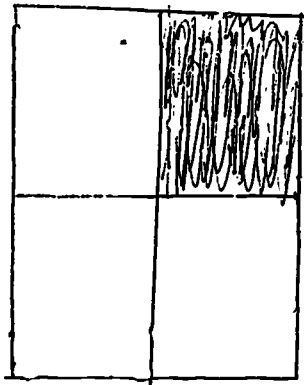
TIME

CLASS

DATE

NAME

Write $\frac{1}{4}$ under the regions that are $\frac{1}{4}$ colored.



Identifying $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ of a whole object. Circling fractions which show what part of an object is shaded. Stating what the terms $\frac{1}{2}$, $\frac{1}{3}$ & $\frac{1}{4}$ mean.

NAME

DATE

CLASS

TIME

COUNT

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How many parts does the region have ? -----

One part is one third ($1/3$) of the region.

Two parts are two thirds ($2/3$) of the region.

Color $1/3$ of the region red.

Color $2/3$ of the region blue.

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How many parts does the region have?

One part is one fourth ($1/4$) of the region.

Color $1/4$ of the region green.

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How many parts does the region have ?

One part is one half ($1/2$) of the region.

Color $1/2$ of the region yellow.

COUNT

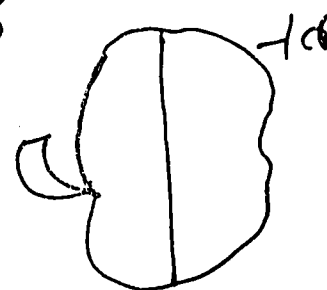
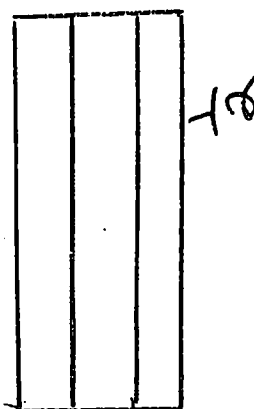
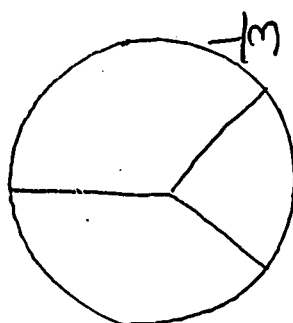
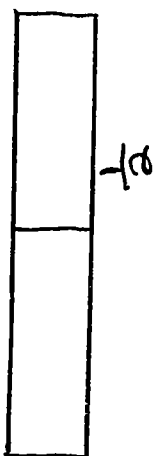
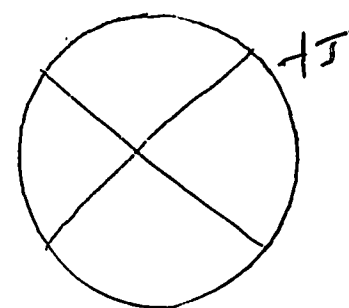
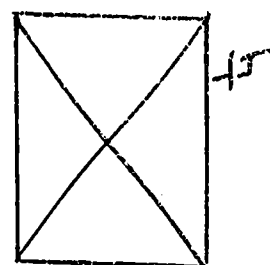
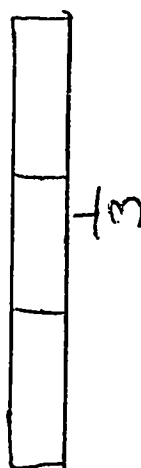
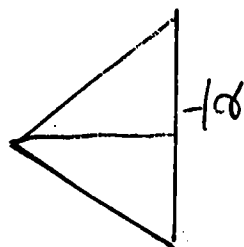
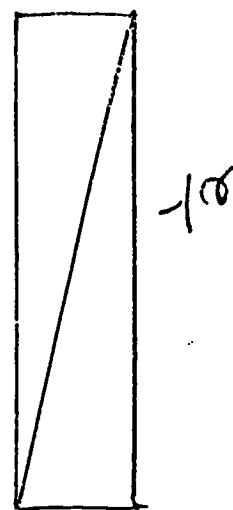
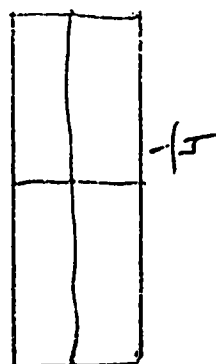
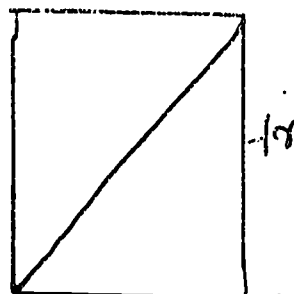
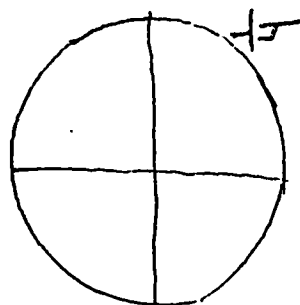
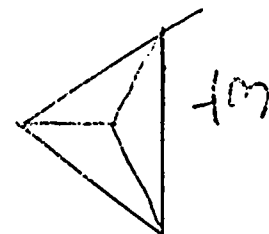
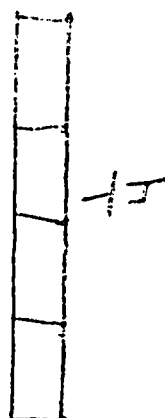
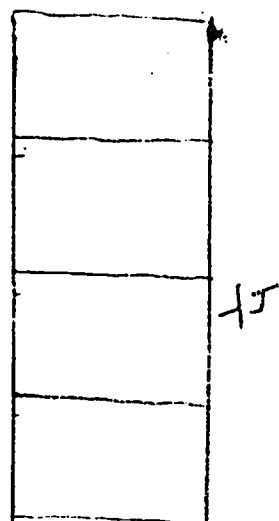
TIME

CLASS

DATE

NAME

SHADE THE CORRECT PART OF THE FIGURE.



COUNT

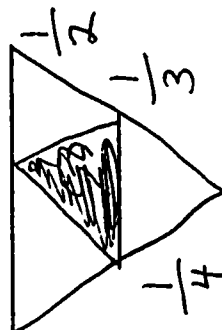
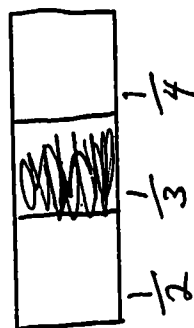
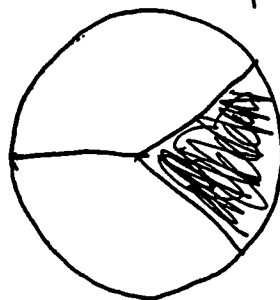
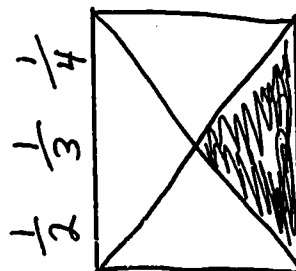
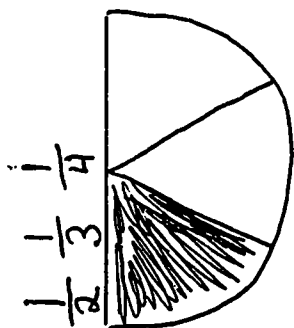
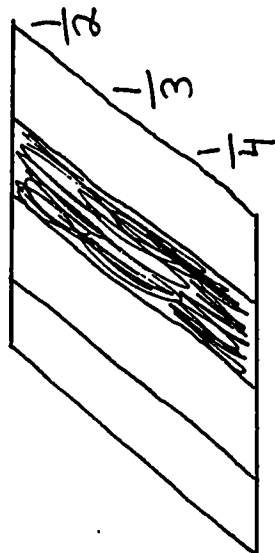
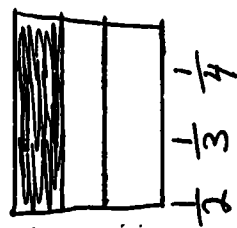
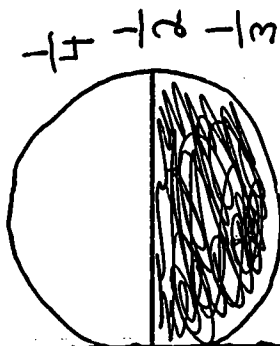
TIME

CLASS

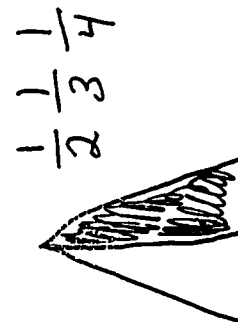
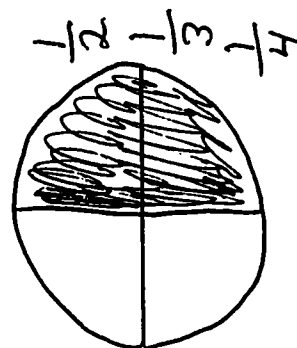
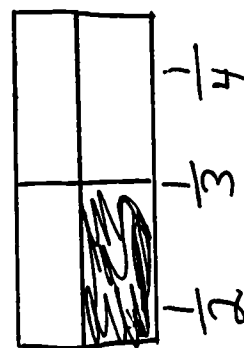
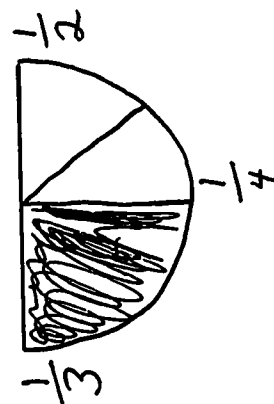
DATE

NAME

CIRCLE THE FRACTION THAT TELLS HOW MUCH OF THE REGION IS SHADED.



469



COUNT

TIME

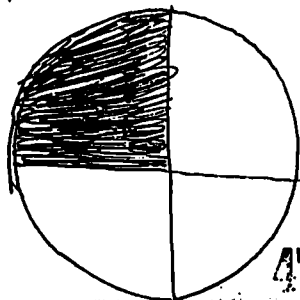
CLASS

DATE

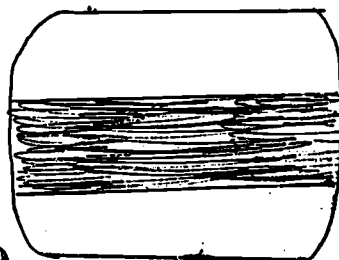
NAME

CIRCLE THE PART THAT IS SHADED.

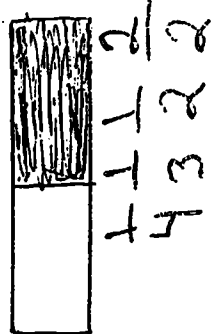
$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



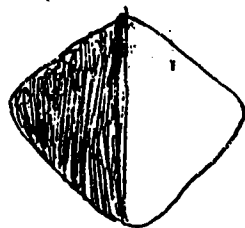
470



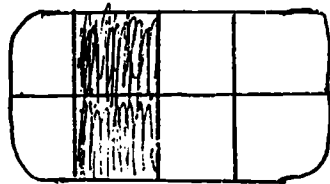
$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



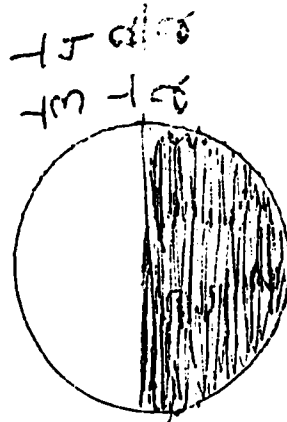
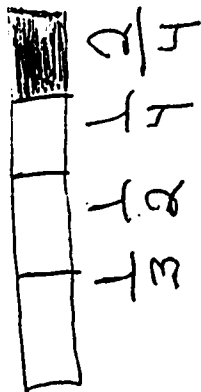
$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



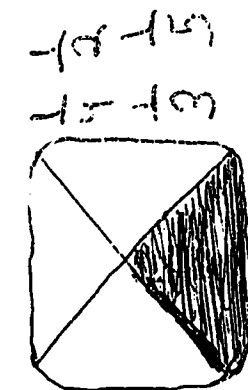
$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



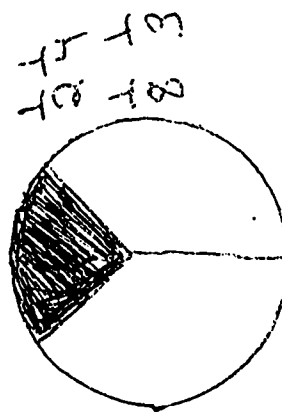
$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



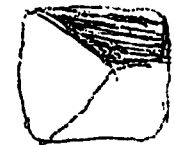
$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



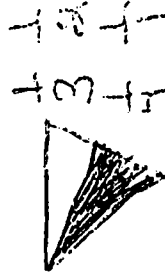
$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$



$\frac{1}{2}$ $\frac{1}{2}$
 $\frac{1}{3}$ $\frac{1}{4}$

NAME

DATE

CLASS

TIME

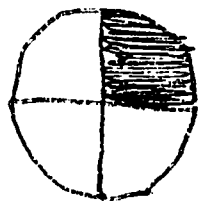
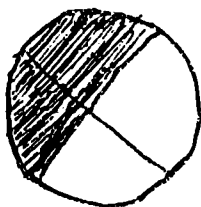
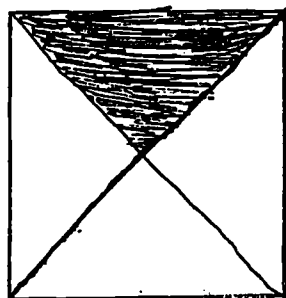
COUNT

MARK THE REGIONS THAT ARE $\frac{1}{4}$ SHADED.

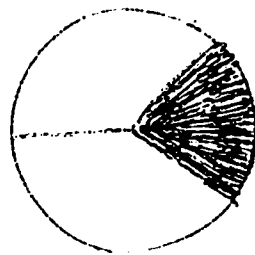
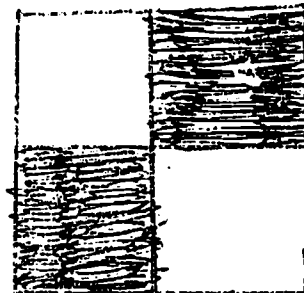
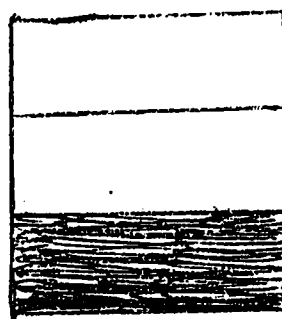
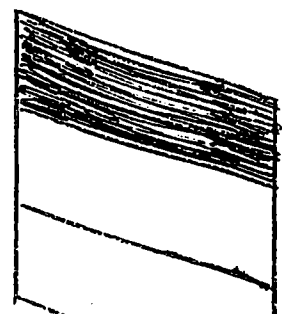
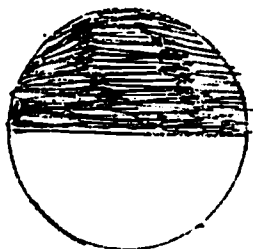
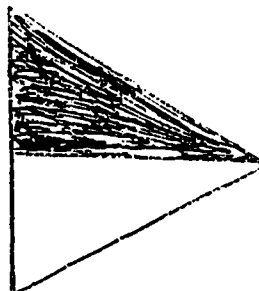
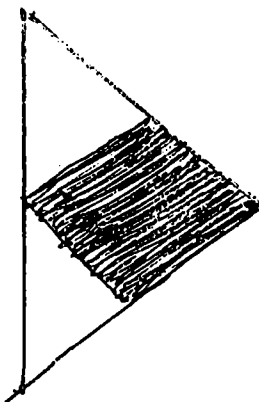
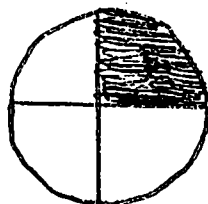
MARK THE REGIONS THAT ARE $\frac{1}{3}$ SHADED.

MARK THE REGIONS THAT ARE $\frac{1}{2}$ SHADED.

WRITE $\frac{1}{2}$, $\frac{1}{3}$ or $\frac{1}{4}$ UNDER EACH REGION.



471



Dividing a set of objects into 2, 3, 4 equal parts when instructed to divide a set into halves, thirds, or fourths and identifying sets of objects into halves, thirds, and fourths.

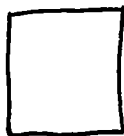
NAME

DATE

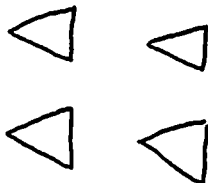
CLASS

TIME

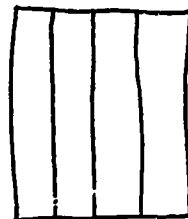
COUNT



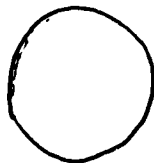
DIVIDE IN $\frac{1}{4}$'s



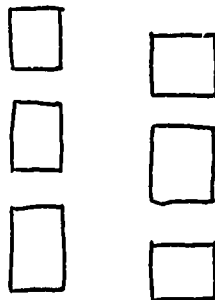
DIVIDE IN $\frac{1}{2}$



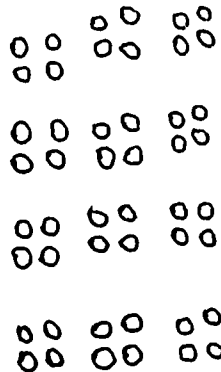
DIVIDE IN $\frac{1}{2}$



DIVIDE IN $\frac{1}{3}$'s



DIVIDE IN $\frac{1}{3}$'s



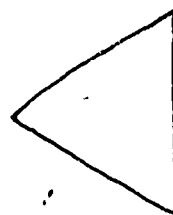
DIVIDE IN $\frac{1}{3}$'s



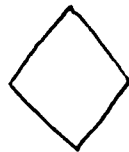
DIVIDE IN $\frac{1}{2}$



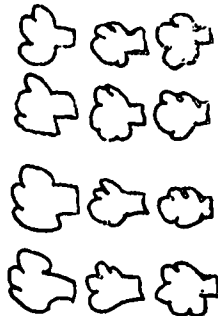
DIVIDE IN $\frac{1}{4}$'s



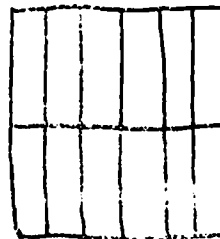
DIVIDE IN $\frac{1}{3}$'s



DIVIDE IN $\frac{1}{4}$'s

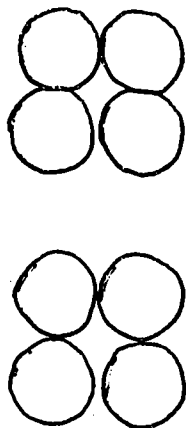


DIVIDE IN $\frac{1}{3}$'s



DIVIDE IN $\frac{1}{4}$'s

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____



DIVIDE INTO 1/2

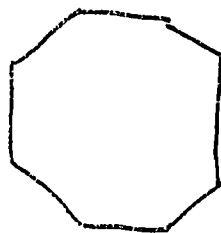


DIVIDE INTO 1/3's

474



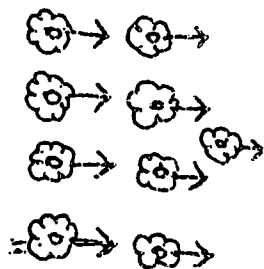
DIVIDE INTO 1/3's



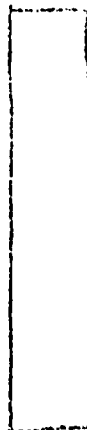
DIVIDE INTO 1/2



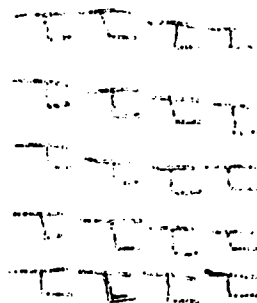
DIVIDE INTO 1/4's



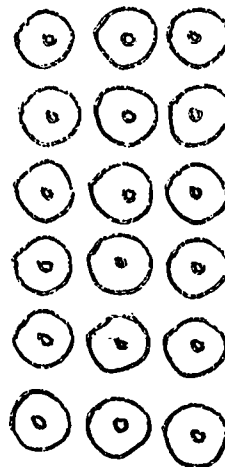
DIVIDE INTO 1/3's



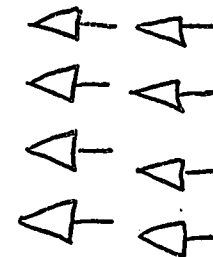
DIVIDE INTO 1/3's



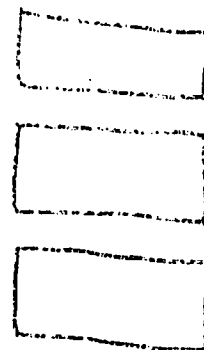
DIVIDE INTO 1/2



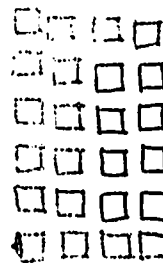
DIVIDE INTO 1/2



DIVIDE INTO 1/3's



DIVIDE EACH INTO 1/3's



DIVIDE INTO 1/2

NAME

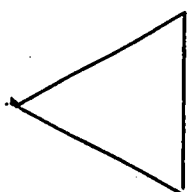
DATE

CLASS

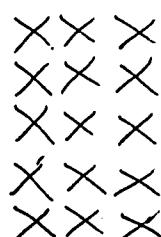
TIME

COUNT

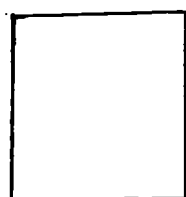
DIVIDE TO $\frac{1}{2}$'s



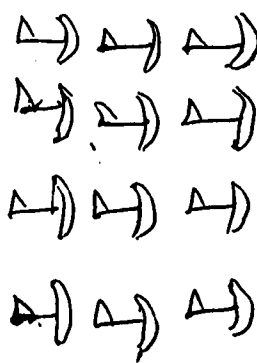
DIVIDE TO $\frac{1}{2}$



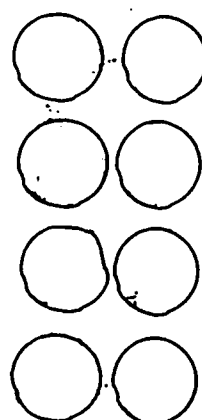
DIVIDE TO $\frac{1}{3}$'s



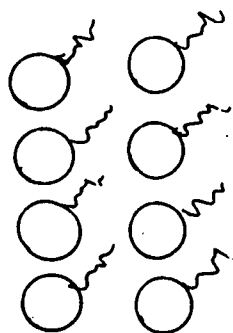
DIVIDE TO $\frac{1}{3}$'s



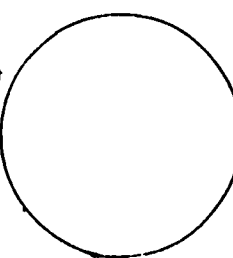
DIVIDE TO $\frac{1}{2}$'s



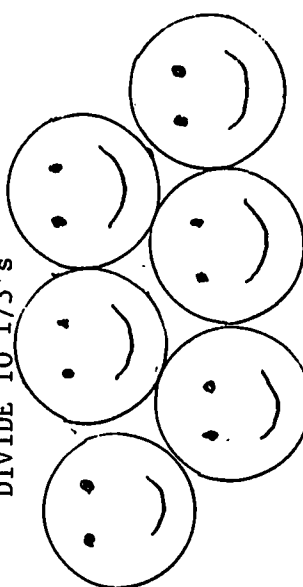
DIVIDE TO $\frac{1}{3}$'s



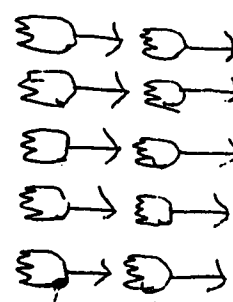
DIVIDE TO $\frac{1}{4}$'s



DIVIDE TO $\frac{1}{3}$'s



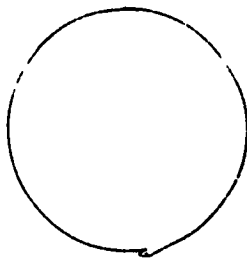
DIVIDE TO $\frac{1}{2}$'s



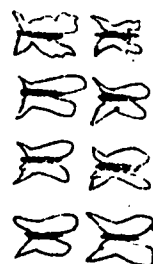
DIVIDE TO $\frac{1}{3}$'s



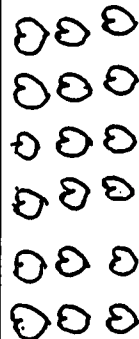
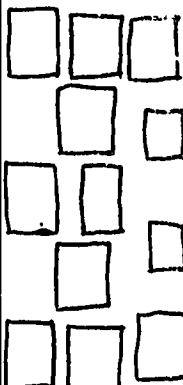
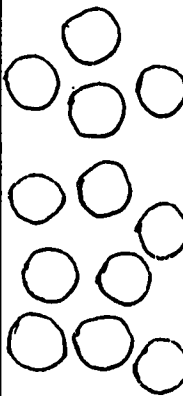
DIVIDE TO $\frac{1}{3}$'s

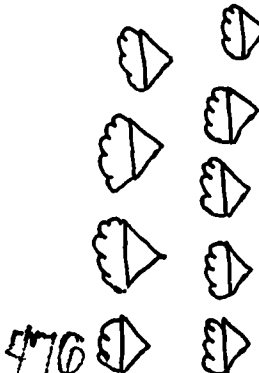
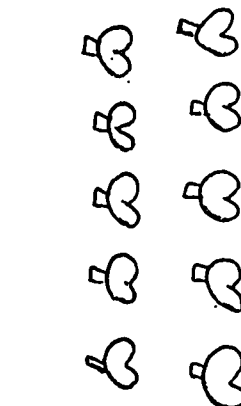
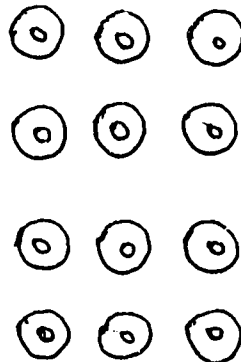


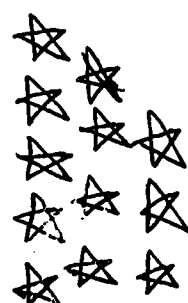
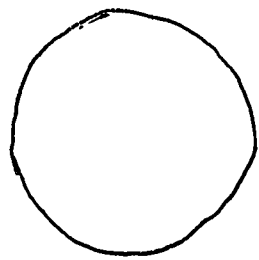
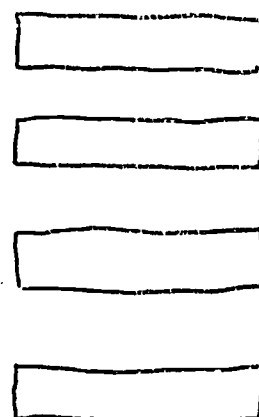
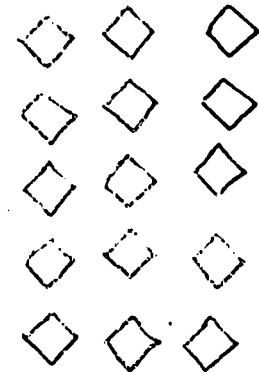
DIVIDE TO $\frac{1}{4}$'s



NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | |
|--|--|--|--------------------------|
|    | <p>DIVIDE INTO 1/2</p> <p>DIVIDE INTO 1/2</p> <p>DIVIDE INTO 1/3's</p> | <p>3 3 3 3 3</p> <p>3 3 3 3 3</p> <p>3 3 3 3 3</p> | <p>DIVIDE INTO 1/4's</p> |
|--|--|--|--------------------------|

| | | | |
|--|--|---|--------------------------|
|    | <p>DIVIDE INTO 1/2</p> <p>DIVIDE INTO 1/4's</p> <p>DIVIDE INTO 1/4's</p> | <p>10 10 10 10 10</p> <p>10 10 10 10 10</p> <p>10 10 10 10 10</p> | <p>DIVIDE INTO 1/3's</p> |
|--|--|---|--------------------------|

| | | |
|---|---|---|
|     | <p>DIVIDE INTO 1/3's</p> <p>DIVIDE INTO 1/4's</p> <p>DIVIDE INTO 1/4's</p> <p>DIVIDE INTO 1/3's</p> | <p>10 10 10 10 10</p> <p>10 10 10 10 10</p> <p>10 10 10 10 10</p> <p>10 10 10 10 10</p> |
|---|---|---|

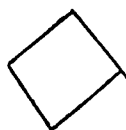
NAME !

DATE

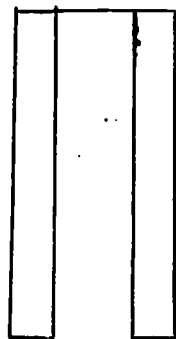
CLASS

TIME

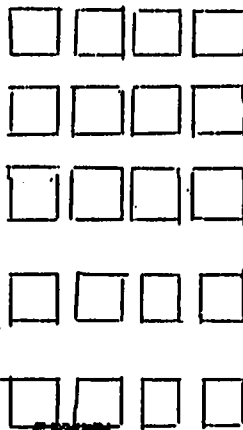
COUNT



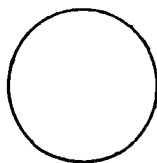
DIVIDE TO $\frac{1}{2}$'s



DIVIDE EACH BAR TO $\frac{1}{3}$'s
COLOR $\frac{1}{3}$ OF EACH



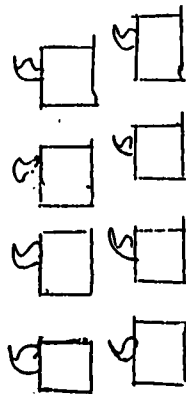
DIVIDE TO $\frac{1}{4}$'s



DIVIDE TO $\frac{1}{3}$'s
COLOR $\frac{2}{3}$'s



DIVIDE TO $\frac{1}{2}$'s
COLOR $\frac{1}{2}$ OF THE BALLS



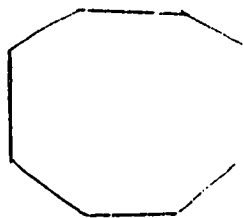
DIVIDE TO $\frac{1}{2}$'s



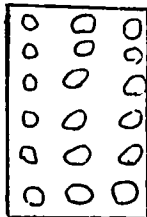
DIVIDE TO $\frac{1}{4}$'s
COLOR $\frac{3}{4}$'s



DIVIDE TO $\frac{1}{3}$'s



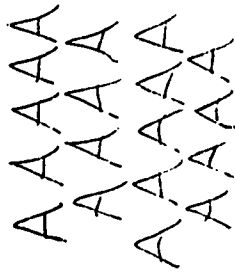
DIVIDE TO $\frac{1}{2}$
WRITE STOP



DIVIDE IN $\frac{1}{2}$

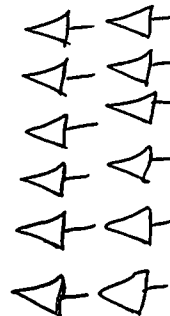


DIVIDE TO $\frac{1}{2}$'s

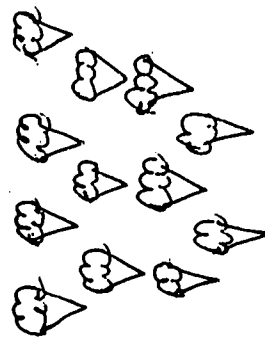


DIVIDE TO $\frac{1}{3}$'s

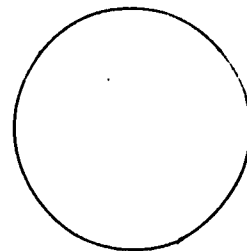
DIVIDE TO $\frac{1}{3}$'s



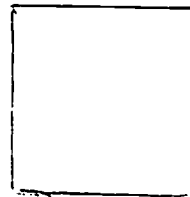
DIVIDE TO $\frac{1}{3}$'s
COLOR $\frac{1}{3}$ OF THE CONES



DIVIDE TO $\frac{1}{2}$'s
COLOR $\frac{1}{2}$



DIVIDE TO $\frac{1}{3}$'s
COLOR $\frac{2}{3}$'s



Drawing a circle around $\frac{1}{2}$, $\frac{1}{3}$ or $\frac{1}{4}$ of a set of objects and selects the fraction which describes the circled part of a given set.

COUNT

TIME

CLASS

DATE

NAME

| | | | | |
|-----------------------|---------|-------|---------|-------|
| Find 1/2 of set | X X | □ □ | ○ ○ | ○ ○ |
| | ☆ ☆ | ↔ ↔ | ∠ ∠ | ↑ ↑ |
| Find 1/3 of set | 7 7 7 | ○ ○ ○ | 7 7 7 | 7 7 7 |
| | U U U | ◇ ◇ ◇ | U U U | U U U |
| Find 1/4 of set | | | | ○ ○ |
| | ⊙ ⊙ ⊙ ⊙ | | 7 7 7 7 | |

| NAME | DATE | CLASS | TIME | COUNT |
|-----------------------|------------------------------|--|------|-------|
| 480 | | | | |
| Find 1/2 of set | DRAWING CIRCLE AROUND O O | 1/2, 1/3, 1/4 OF A SET OF OBJECTS A A | | I I |
| Find 1/3 of set | O O O | / / / | | O O O |
| Find 1/3 of set | • • • | ☆ ☆ ☆ | | o o o |
| Find 1/2 of set | O O O | X X X | | " " |
| Find 1/4 of set | • • • | X X | | ◇ ◇ ◇ |
| Find 1/4 of set | ≡ ≡ ≡ | O O O | | ⊗ ⊗ ⊗ |

COUNT














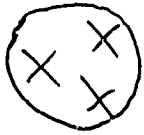




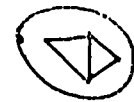






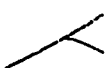

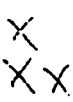

















TIME

CLASS

DATE

NAME

SELECT FRACTION DESCRIBING CIRCLED PART

| | | | |
|---|--|--|--|
|  |   |   |   |
|   |   |   |   |
|    481 |       |   |   |
|      |       |     |   |










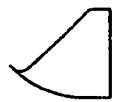
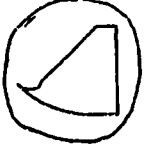

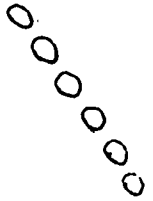
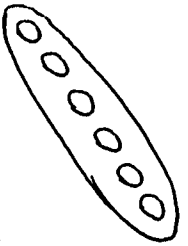






















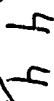
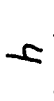

COUNT

TIME

CLASS

DATE

NAME

| | | |
|---|--|--|
|    |     |   |
|    |   |    |
|    |     |   |
|    |     |       |

Identifying objects using $\frac{1}{6}$, $\frac{1}{8}$, $\frac{2}{3}$ and $\frac{3}{4}$.

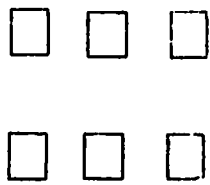
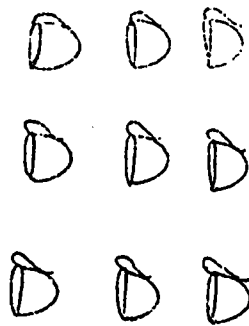
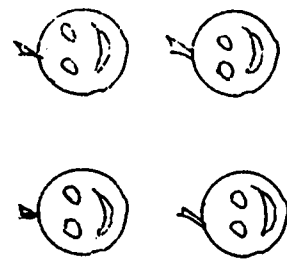
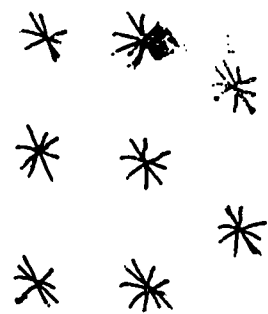
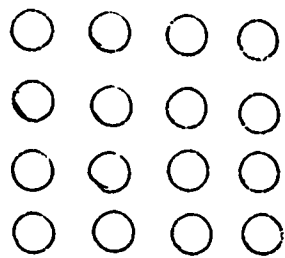
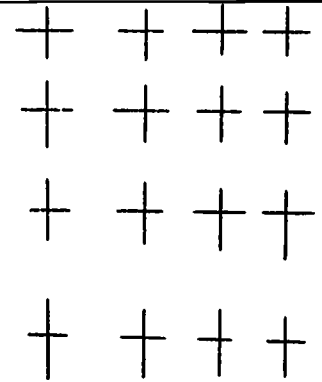
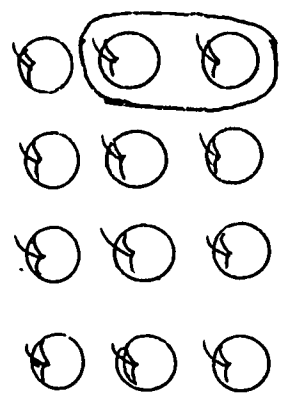

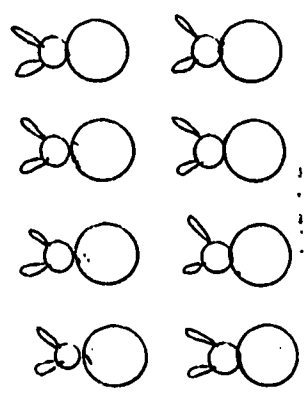
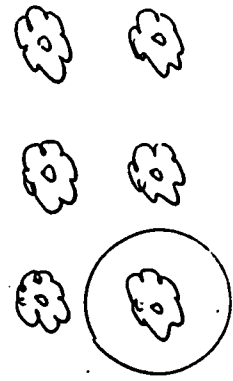
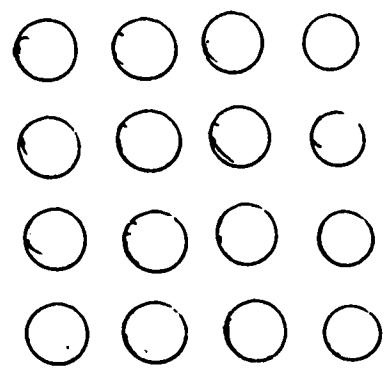
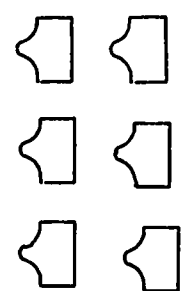
COUNT

TIME

CLASS

DATE

NAME

| | | |
|--|---|--|
|  $\frac{2}{3}$ |  $\frac{2}{3}$ |  $\frac{3}{4}$ |
|  $\frac{1}{8}$ |  $\frac{1}{8}$ |  $\frac{3}{4}$ |
|  $\frac{1}{6}$ |  $\frac{1}{6}$ |  $\frac{1}{8}$ |
|  $\frac{1}{6}$ |  $\frac{3}{4}$ 484 |  $\frac{1}{6}$ |

COUNT

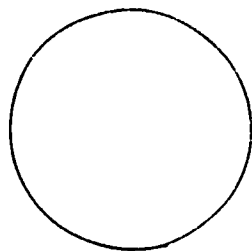
TIME

CLASS

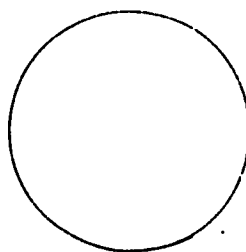
DATE

NAME

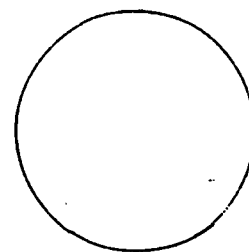
$$2/3$$



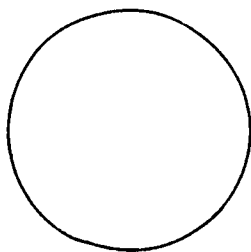
$$3/4$$



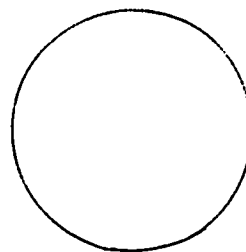
$$1/6$$



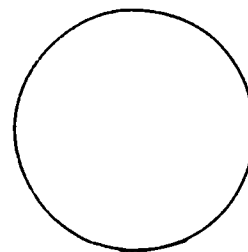
$$1/8$$



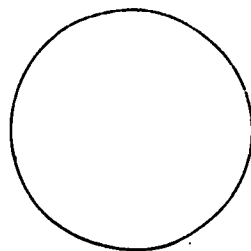
$$2/3$$



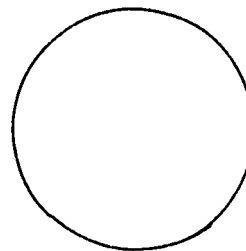
$$1/8$$



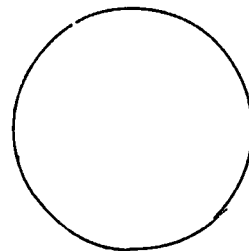
$$1/6$$



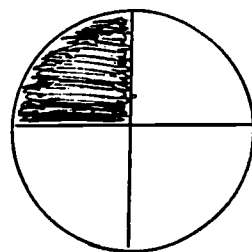
$$1/8$$



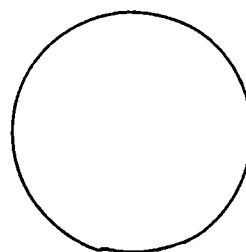
$$3/4$$



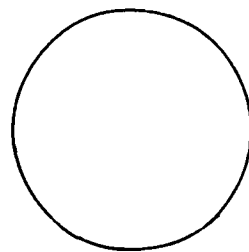
$$1/4$$



$$1/6$$
 485



$$2/3$$



Dividing sets of objects into parts.

NAME

DATE

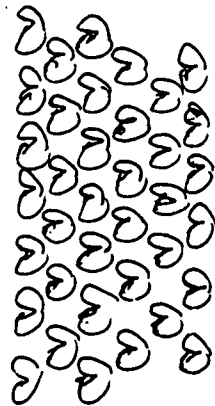
CLASS

TIME

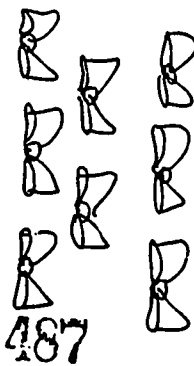
COUNT



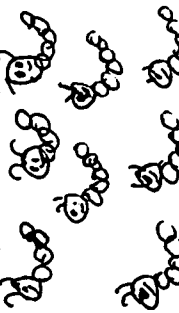
DIVIDE INTO 3 SETS



DIVIDE INTO 9 SETS



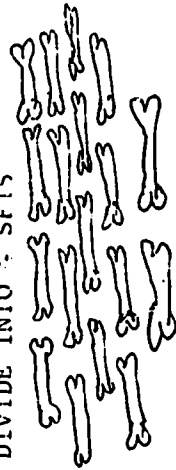
DIVIDE TO 4 SETS



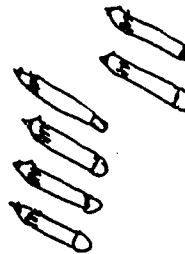
DIVIDE TO 4 SETS



DIVIDE INTO 4 SETS



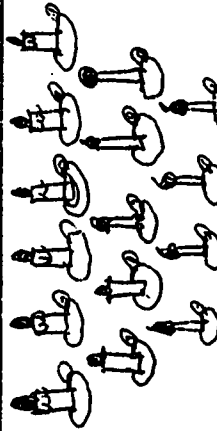
DIVIDE TO 4 SETS



DIVIDE TO 3 SETS



DIVIDE TO 2 SETS



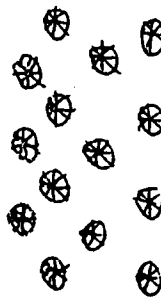
DIVIDE INTO 5 SETS



DIVIDE TO 5 SETS



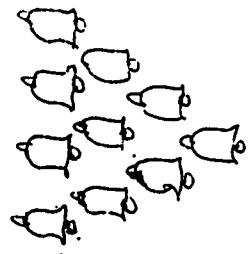
DIVIDE TO 3 SETS



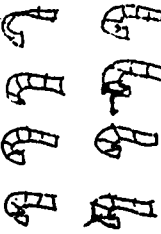
DIVIDE TO 7 SETS



DIVIDE INTO 4 SETS



DIVIDE TO 2 SETS



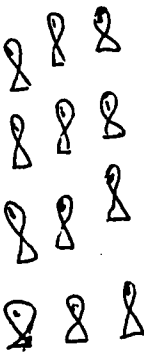
DIVIDE TO 4 SETS



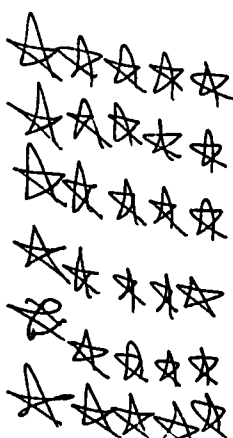
DIVIDE TO 3 SETS

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

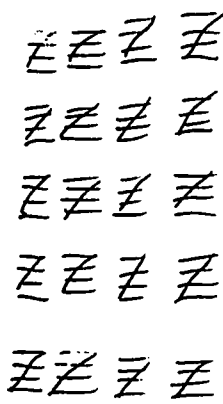
DIVIDE INTO 3 SETS



DIVIDE INTO 6 SETS



DIVIDE INTO 8 SETS



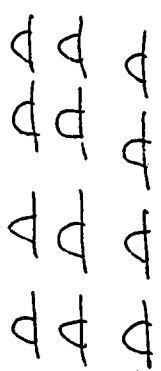
DIVIDE INTO 2 SETS



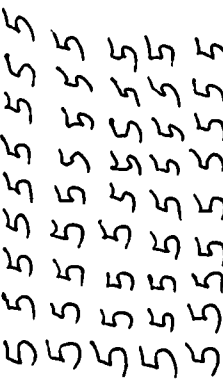
DIVIDE INTO 2 SETS



DIVIDE INTO 3 SETS



DIVIDE INTO 5 SETS



DIVIDE INTO 4 SETS



DIVIDE INTO 6 SETS



DIVIDE INTO 2 SETS



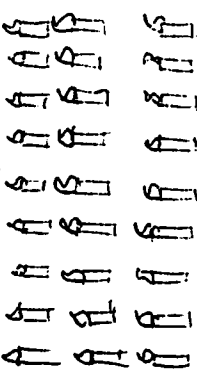
DIVIDE INTO 6 SETS



DIVIDE INTO 4 SETS



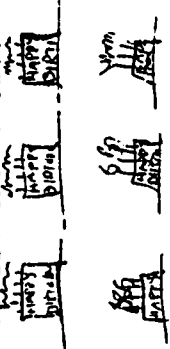
DIVIDE INTO 9 SETS



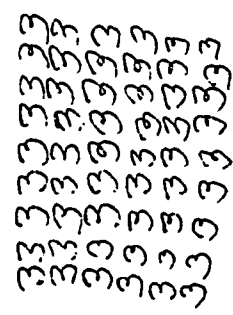
DIVIDE INTO 5 SETS



DIVIDE INTO 4 SETS

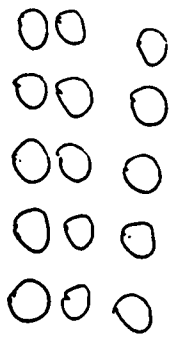


DIVIDE INTO 3 SETS



NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

DIVIDE INTO 5 SETS



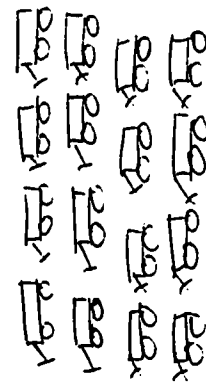
DIVIDE TO 3 SETS



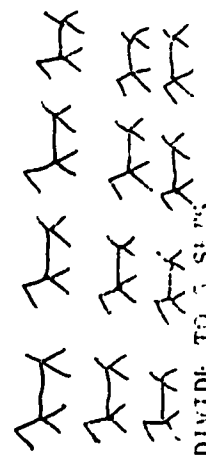
DIVIDE TO 3 SETS



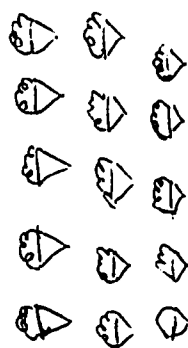
DIVIDE TO 4 SETS



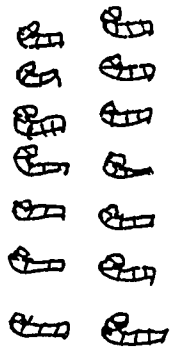
DIVIDE INTO 3 SETS



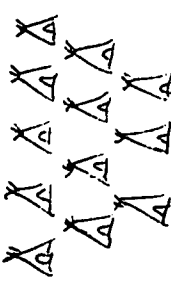
DIVIDE TO 3 SETS



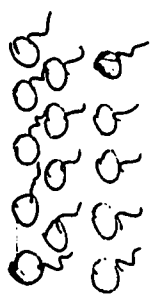
DIVIDE TO 7 SETS



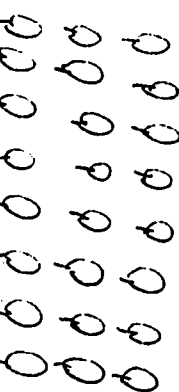
DIVIDE TO 4 SETS



DIVIDE TO 7 SETS



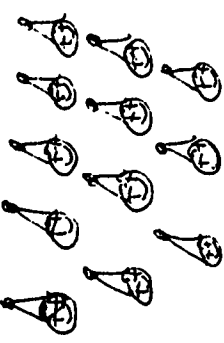
DIVIDE TO 3 SETS



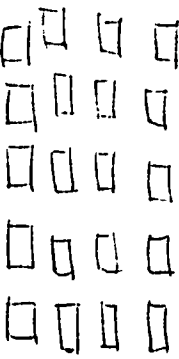
DIVIDE TO 3 SETS



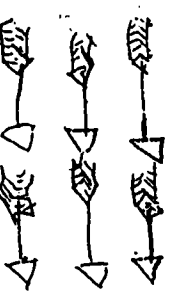
DIVIDE TO 3 SETS



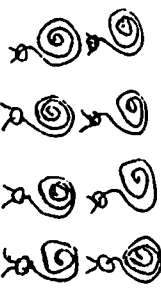
DIVIDE TO 5 SETS



DIVIDE TO 3 SETS



DIVIDE TO 3 SETS



DIVIDE TO 3 SETS



NAME

DATE

CLASS

TIME

COUNT

DIVIDE TO 4 SETS



DIVIDE INTO 2 SETS

COLOR ONE SET



DIVIDE TO 2 SETS



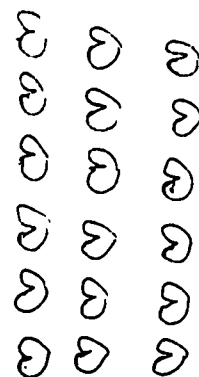
DIVIDE TO 3 SETS



DIVIDE TO 2 SETS



DIVIDE TO 3 SETS



DIVIDE TO 2 SETS



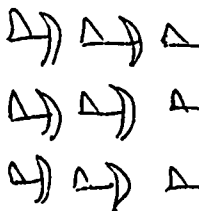
DIVIDE TO 4 SETS



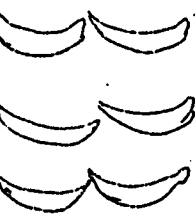
DIVIDE TO 3 SETS



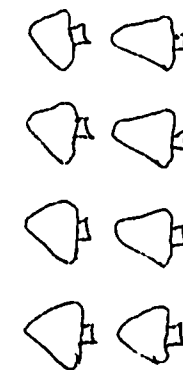
DIVIDE TO 3 SETS



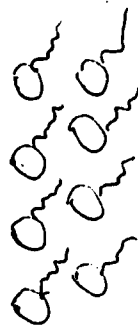
DIVIDE TO 3 SETS



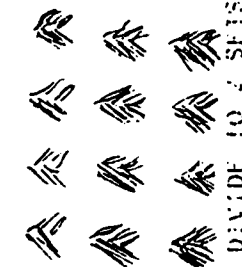
DIVIDE TO 3 SETS



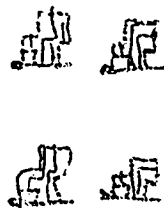
DIVIDE TO 4 SETS



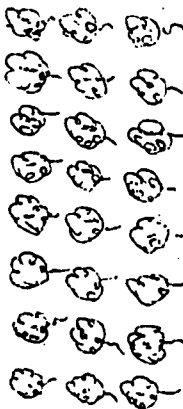
DIVIDE TO 4 SETS



DIVIDE TO 2 SETS



DIVIDE TO 4 SETS



NAME

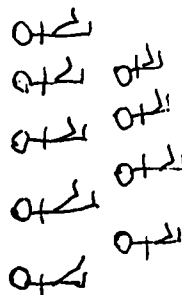
DATE

CLASS

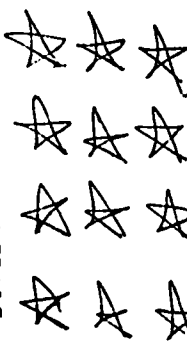
TIME

COUNT

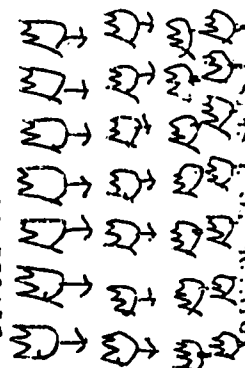
DIVIDE TO 3 SETS



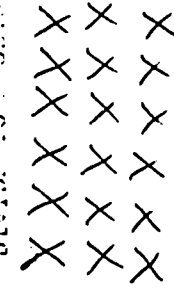
DIVIDE TO 3 SETS



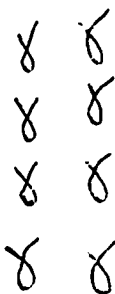
DIVIDE TO 7 SETS



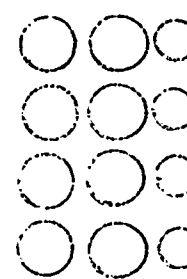
DIVIDE TO 3 SETS



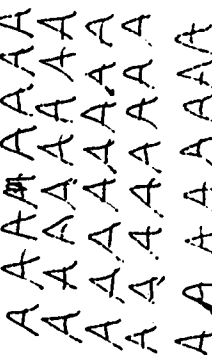
DIVIDE TO 2 SETS



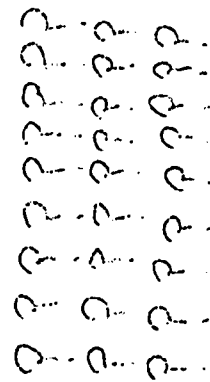
DIVIDE TO 3 SETS



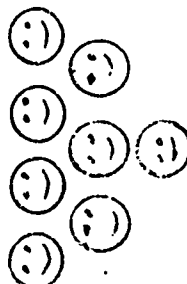
DIVIDE TO 5 SETS



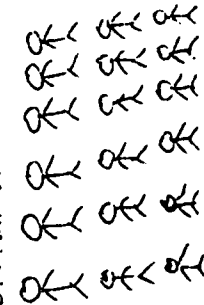
DIVIDE TO 3 SETS



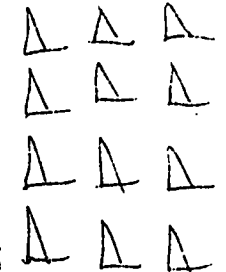
DIVIDE TO 2 SETS



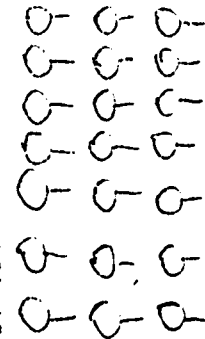
DIVIDE TO 3 SETS



DIVIDE TO 3 SETS



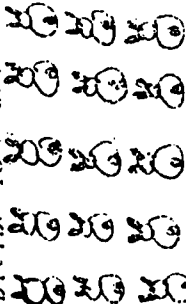
DIVIDE TO 3 SETS



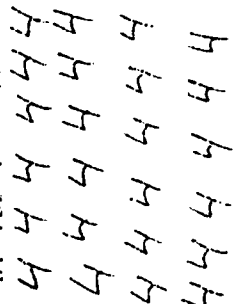
DIVIDE TO 4 SETS



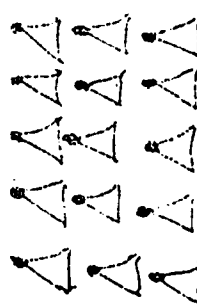
DIVIDE TO 3 SETS



DIVIDE TO 3 SETS



DIVIDE TO 3 SETS



Adding any 2 fractions with same denominator.

COUNT

TIME

CLASS

DATE

NAME

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{1}{9}$ $\frac{3}{10}$ $\frac{1}{11}$
 $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$
 $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{1}{9}$ $\frac{3}{10}$ $\frac{1}{11}$

$\frac{1}{2}$ $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{1}{9}$ $\frac{3}{10}$ $\frac{1}{11}$
 $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$
 $\frac{1}{2}$ $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{1}{9}$ $\frac{3}{10}$ $\frac{1}{11}$

$\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{3}{10}$ $\frac{2}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{1}{9}$ $\frac{3}{10}$ $\frac{1}{11}$
 $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$
 $\frac{2}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{3}{10}$ $\frac{2}{6}$ $\frac{1}{7}$ $\frac{2}{8}$ $\frac{1}{9}$ $\frac{3}{10}$ $\frac{1}{11}$

$\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{2}{7}$ $\frac{1}{8}$ $\frac{2}{9}$ $\frac{1}{10}$ $\frac{1}{11}$
 $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$
 $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{3}{5}$ $\frac{1}{6}$ $\frac{2}{7}$ $\frac{1}{8}$ $\frac{2}{9}$ $\frac{1}{10}$ $\frac{1}{11}$

COUNT

TIME

CLASS

DATE

NAME

| | | | |
|---------------------------------|----------------------------------|-----------------------------------|----------------------------------|
| $\frac{1}{5} + \frac{3}{5} =$ | $\frac{3}{9} + \frac{2}{9} =$ | $\frac{1}{4} + \frac{2}{4} =$ | $\frac{11}{22} + \frac{6}{22} =$ |
| $\frac{4}{7} + \frac{5}{7} =$ | $\frac{7}{15} + \frac{2}{15} =$ | $\frac{9}{15} + \frac{2}{15} =$ | $\frac{11}{5} + \frac{3}{5} =$ |
| $\frac{3}{8} + \frac{2}{8} =$ | $\frac{3}{7} + \frac{3}{7} =$ | $\frac{10}{25} + \frac{13}{25} =$ | $\frac{3}{29} + \frac{13}{29} =$ |
| $\frac{4}{7} + \frac{1}{7} =$ | $\frac{2}{10} + \frac{1}{10} =$ | $\frac{5}{20} + \frac{3}{20} =$ | $\frac{3}{6} + \frac{1}{6} =$ |
| $\frac{5}{11} + \frac{4}{11} =$ | $\frac{3}{6} + \frac{2}{6} =$ | $\frac{5}{29} + \frac{18}{29} =$ | $\frac{5}{27} + \frac{15}{27} =$ |
| $\frac{2}{5} + \frac{2}{5} =$ | $\frac{4}{12} + \frac{3}{12} =$ | $\frac{3}{17} + \frac{13}{17} =$ | $\frac{6}{7} + \frac{1}{7} =$ |
| $\frac{1}{8} + \frac{1}{8} =$ | $\frac{7}{26} + \frac{11}{26} =$ | $\frac{1}{29} + \frac{10}{29} =$ | $\frac{20}{23} + \frac{1}{23} =$ |
| $\frac{7}{24} + \frac{7}{24} =$ | $\frac{2}{14} + \frac{3}{14} =$ | $\frac{13}{15} + \frac{1}{15} =$ | $\frac{5}{6} + \frac{1}{6} =$ |
| $\frac{8}{30} + \frac{6}{30} =$ | $\frac{2}{13} + \frac{5}{13} =$ | $\frac{8}{16} + \frac{5}{16} =$ | $\frac{9}{21} + \frac{11}{21} =$ |
| $\frac{4}{10} + \frac{1}{10} =$ | $\frac{1}{3} + \frac{1}{3} =$ | $\frac{12}{18} + \frac{7}{18} =$ | $\frac{8}{19} + \frac{9}{19} =$ |

COUNT

TIME

CLASS

DATE

| | | | |
|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|
| $\frac{1}{10} + \frac{7}{10} =$ | $\frac{2}{4} + \frac{5}{4} =$ | $\frac{6}{7} + \frac{5}{7} =$ | $\frac{9}{36} + \frac{19}{36} =$ |
| $\frac{2}{5} + \frac{3}{5} =$ | $\frac{3}{13} + \frac{14}{15} =$ | $\frac{19}{20} + \frac{2}{20} =$ | $\frac{5}{15} + \frac{14}{15} =$ |
| $\frac{6}{8} + \frac{1}{8} =$ | $\frac{8}{9} + \frac{3}{9} =$ | $\frac{5}{8} + \frac{7}{8} =$ | $\frac{3}{27} + \frac{13}{27} =$ |
| $\frac{2}{11} + \frac{5}{11} =$ | $\frac{11}{16} + \frac{5}{16} =$ | $\frac{16}{19} + \frac{2}{19} =$ | $\frac{5}{8} + \frac{6}{8} =$ |
| $\frac{3}{7} + \frac{3}{7} =$ | $\frac{1}{5} + \frac{3}{5} =$ | $\frac{4}{4} + \frac{2}{4} =$ | $\frac{5}{26} + \frac{17}{26} =$ |
| $\frac{6}{12} + \frac{5}{12} =$ | $\frac{8}{17} + \frac{9}{17} =$ | $\frac{11}{21} + \frac{5}{21} =$ | $\frac{8}{9} + \frac{10}{9} =$ |
| $\frac{1}{3} + \frac{1}{3} =$ | $\frac{5}{3} + \frac{2}{3} =$ | $\frac{3}{9} + \frac{4}{9} =$ | $\frac{14}{17} + \frac{2}{17} =$ |
| $\frac{1}{13} + \frac{10}{13} =$ | $\frac{10}{18} + \frac{6}{18} =$ | $\frac{12}{22} + \frac{7}{22} =$ | $\frac{5}{2} + \frac{4}{2} =$ |
| $\frac{4}{6} + \frac{1}{6} =$ | $\frac{7}{6} + \frac{7}{6} =$ | $\frac{5}{11} + \frac{5}{11} =$ | $\frac{13}{24} + \frac{12}{24} =$ |
| $\frac{3}{14} + \frac{7}{14} =$ | $\frac{10}{18} + \frac{12}{18} =$ | $\frac{4}{23} + \frac{15}{23} =$ | $\frac{8}{31} + \frac{23}{31} =$ |

DATE CLASS TIME COUNT

$$\frac{1}{50} + \frac{17}{50} = \frac{16}{50} + \frac{15}{64} =$$

$$\frac{3}{32} + \frac{21}{32} = \frac{16}{32} + \frac{16}{32} =$$

$$\frac{35}{72} + \frac{21}{22} = \frac{5}{93} + \frac{81}{93} =$$

$$\frac{5}{16} + \frac{8}{16} = \frac{5}{93} + \frac{81}{93} =$$

$$\frac{42}{80} + \frac{1}{80} = \frac{4}{65} + \frac{30}{65} =$$

$$\frac{4}{64} + \frac{32}{64} = \frac{4}{65} + \frac{30}{65} =$$

$$\frac{51}{90} + \frac{2}{90} = \frac{5}{75} + \frac{30}{75} =$$

$$\frac{3}{80} + \frac{1}{80} = \frac{5}{75} + \frac{7}{75} =$$

$$\frac{1}{2} + \frac{1}{2} = \frac{5}{16} + \frac{11}{16} =$$

$$\frac{4}{60} + \frac{5}{60} = \frac{5}{90} + \frac{30}{90} =$$

$$\frac{5}{8} + \frac{3}{8} = \frac{4}{12} + \frac{7}{12} =$$

$$\frac{31}{77} + \frac{31}{77} = \frac{15}{61} + \frac{30}{61} =$$

$$\frac{50}{80} + \frac{30}{80} = \frac{34}{68} + \frac{33}{68} =$$

$$\frac{3}{4} + \frac{3}{4} = \frac{34}{68} + \frac{33}{68} =$$

$$\frac{5}{92} + \frac{8}{92} = \frac{4}{5} + \frac{1}{5} =$$

$$\frac{3}{25} + \frac{16}{25} = \frac{4}{5} + \frac{1}{5} =$$

$$\frac{3}{4} + \frac{1}{4} = \frac{64}{88} + \frac{3}{88} =$$

$$\frac{4}{11} + \frac{6}{11} = \frac{64}{88} + \frac{3}{88} =$$

Adding 2 fractions, same denominator $\frac{1}{2}$'s, $\frac{1}{3}$'s, $\frac{1}{4}$'s, $\frac{1}{6}$'s, $\frac{1}{8}$'s only.
Sums equal 1, 2, 3,

NAME

DATE

CLASS

TIME

COUNT

$$\frac{1}{4} \frac{3}{4}$$

$$\frac{20}{8} \frac{4}{8}$$

$$\frac{2}{3} \frac{1}{3}$$

$$\frac{5}{2} \frac{1}{2}$$

$$\frac{5}{3} \frac{1}{3}$$

$$\frac{1}{3} \frac{2}{3}$$

$$\frac{1}{2} \frac{1}{2}$$

$$\frac{7}{4} \frac{1}{4}$$

$$\frac{11}{4} \frac{1}{4}$$

$$\frac{3}{8} \frac{5}{8}$$

$$\frac{1}{8} \frac{7}{8}$$

$$\frac{1}{6} \frac{23}{6}$$

$$\frac{1}{8} \frac{15}{8}$$

$$\frac{8}{3} \frac{1}{3}$$

$$\frac{1}{4} \frac{3}{4}$$

$$\frac{7}{8} \frac{1}{8}$$

$$\frac{3}{4} \frac{1}{4}$$

$$\frac{1}{3} \frac{8}{3}$$

$$\frac{6}{6} \frac{6}{6}$$

$$\frac{2}{3} \frac{1}{3}$$

$$\frac{2}{8} \frac{6}{8}$$

$$\frac{3}{4} \frac{1}{4}$$

$$\frac{1}{6} \frac{5}{6}$$

$$\frac{1}{3} \frac{2}{3}$$

$$\frac{3}{2} \frac{1}{2}$$

$$\frac{12}{8} \frac{4}{8}$$

$$\frac{3}{8} \frac{5}{8}$$

$$\frac{11}{6} \frac{1}{6}$$

$$\frac{15}{8} \frac{1}{8}$$

$$\frac{4}{8} \frac{3}{8}$$

$$\frac{1}{6} \frac{11}{6}$$

$$\frac{5}{2} \frac{1}{2}$$

$$\frac{5}{6} \frac{1}{6}$$

$$\frac{6}{3} \frac{3}{3}$$

$$\frac{15}{8} \frac{1}{8}$$

$$\frac{11}{6} \frac{1}{6}$$

$$\frac{7}{8} \frac{1}{8}$$

$$\frac{1}{2} \frac{6}{2}$$

$$\frac{1}{3} \frac{5}{3}$$

$$\frac{23}{6} \frac{2}{6}$$

$$\frac{15}{6} \frac{3}{6}$$

$$\frac{4}{2} \frac{2}{2}$$

COUNT

TIME

CLASS

DATE

NAME

$$\frac{4}{2} \frac{3}{3} \frac{2}{2}$$

$$\frac{15}{6} \frac{3}{3} \frac{3}{6}$$

$$\frac{23}{6} \frac{1}{6}$$

$$\frac{5}{3} \frac{1}{3}$$

$$\frac{5}{2} \frac{1}{2} \frac{2}{2}$$

$$\frac{1}{8} \frac{2}{8}$$

$$\frac{1}{6} \frac{11}{6} +$$

$$\frac{1}{8} \frac{5}{8}$$

$$\frac{3}{3} \frac{2}{3}$$

$$\frac{1}{6} \frac{5}{6}$$

$$\frac{1}{2} \frac{5}{2}$$

$$\frac{11}{6} \frac{1}{6}$$

$$\frac{3}{8} \frac{5}{8}$$

$$\frac{1}{8} \frac{5}{8}$$

$$\frac{1}{2} = \frac{1}{2}$$

$$\frac{5}{8} \frac{3}{8}$$

$$\frac{5}{8} \frac{12}{8}$$

$$\frac{1}{2} \frac{3}{2}$$

$$\frac{2}{8} + \frac{3}{8}$$

$$\frac{5}{2} + \frac{1}{2}$$

$$\frac{1}{4} \frac{2}{4}$$

$$\frac{2}{8} \frac{2}{8}$$

$$\frac{1}{3} \frac{2}{3}$$

$$\frac{1}{2} \frac{1}{2}$$

$$\frac{2}{8} + \frac{1}{8}$$

$$\frac{1}{2} \frac{1}{2}$$

$$\frac{1}{8} \frac{2}{8}$$

$$\frac{2}{4} \frac{1}{4}$$

$$\frac{1}{3} \frac{2}{3}$$

$$\frac{5}{5} \frac{1}{5}$$

$$\frac{2}{3} \frac{1}{3}$$

$$\frac{2}{8} + \frac{1}{8}$$

$$\frac{5}{8} \frac{2}{8}$$

$$\frac{1}{2} = \frac{1}{2}$$

$$\frac{1}{2} \frac{1}{2}$$

$$\frac{1}{2} \frac{1}{2}$$

$$\frac{2}{3} + \frac{1}{3}$$

$$\frac{1}{3} \frac{2}{3}$$

$$\frac{1}{2} \frac{5}{2}$$

$$\frac{1}{8} \frac{2}{8}$$

$$\frac{1}{8} \frac{2}{8}$$

$$\frac{2}{4} \frac{1}{4}$$

[illegible]

[illegible]

[illegible]

Adding, subtracting mixed sets of problems. No borrowing, no carrying.
Vertical or horizontal form, sums to 99.

NAME

DATE

CLASS

TIME

COUNT

| | | | | | | | | | | |
|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 34 +21 | 56 +12 | 72 +23 | 14 +22 | 65 +14 | 73 +11 | 54 +15 | 63 +14 | 72 +16 | 81 +27 | 86 +13 |
| 17 -12 | 18 +71 | 15 -3 | 43 +26 | 52 +71 | 16 -6 | 24 +45 | 32 +67 | 40 -20 | 48 -26 | 56 -13 |
| 504 +14 +13 | 21 -11 | 28 +61 | 35 +34 | 42 -11 | 49 -27 | 56 +22 | 64 +16 | 70 -20 | 77 -25 | 84 +15 |
| 51 +5 | 10 -2 | 15 +24 | 20 +79 | 25 -10 | 30 +9 | 35 -14 | 40 +11 | 45 -14 | 50 +78 | 55 -13 |
| 71 +6 | 12 -2 | 18 +71 | 24 -13 | 30 +44 | 36 -14 | 42 -21 | 48 +11 | 54 +43 | 60 -40 | 66 +22 |
| 11 -55 | 22 -21 | 33 +66 | 44 +52 | 55 +31 | 66 -41 | 77 -35 | 88 -26 | 24 +45 | 28 -17 | |
| 40 +33 | 48 -17 | 44 +44 | 52 -31 | 56 +32 | 60 -40 | 64 +25 | 68 +11 | 72 +27 | 76 -15 | |

| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 35 +12 | 21 +36 | 44 +22 | 51 +18 | 65 +32 | 71 +10 | 64 +14 | 87 +12 | 16 +12 | 14 +12 |
| 75 +24 | 36 +12 | 22 +26 | 45 +43 | 52 -12 | 63 +14 | 72 -51 | 82 +16 | 32 +32 | 13 -10 |
| 76 +13 | 29 -20 | 37 +12 | 23 -13 | 46 +13 | 53 -12 | 61 +26 | 73 -41 | 15 -12 | 86 +12 |
| 55 55 83 -62 | 57 +21 | 74 +21 | 38 +27 | 24 +35 | 47 -33 | 54 +12 | 66 -32 | 56 -34 | 81 -40 |
| 12 +81 | 77 -14 | 58 -42 | 65 +14 | 39 -18 | 25 +24 | 48 -24 | 55 -33 | 42 -22 | 62 -21 |
| 10 +16 | 88 +11 | 84 -31 | 67 +22 | 59 -36 | 40 -20 | 26 +13 | 49 -16 | 61 -31 | 56 +11 |
| 15 +12 | 11 -10 | 69 +10 | 78 -34 | 68 -32 | 60 +20 | 41 -20 | 27 +12 | 42 +24 | 50 -40 |

| NAME | DATE | CLASS | TIME | COUNT |
|-----------|-----------|-------|------|-----------|
| 15 + 12 = | 27 + 61 = | | | 16 + 33 = |
| 18 - 16 = | 32 + 54 = | | | 21 + 15 = |
| 23 - 11 = | 36 + 13 = | | | 28 - 7 = |
| 28 + 71 = | 41 - 20 = | | | 33 + 25 = |
| 31 - 10 = | 45 - 33 = | | | 40 - 10 = |
| 36 - 33 = | 50 + 47 = | | | 45 + 24 = |
| 39 - 28 = | 54 + 22 = | | | 52 - 11 = |
| 44 + 33 = | 59 - 16 = | | | 57 - 42 = |
| 47 - 25 = | 63 + 24 = | | | 64 + 15 = |
| 52 + 17 = | 68 - 27 = | | | 69 - 25 = |
| 55 + 22 = | 72 - 51 = | | | 76 - 34 = |
| 60 - 30 = | 77 + 12 = | | | 81 + 17 = |
| 63 + 44 = | 81 - 41 = | | | 88 - 35 = |
| 68 - 17 = | 86 + 21 = | | | 93 - 22 = |
| 71 + 26 = | 91 - 61 = | | | 26 + 63 = |
| 76 - 22 = | 95 - 21 = | | | 31 + 27 = |
| 79 - 46 = | 99 - 36 = | | | 33 - 12 = |
| | 23 + 44 = | | | 56 - 25 = |
| | | | | 18 + 61 = |

Solving one-step problems adding and subtracting money, time and measurement.
Values to 18.

NAME DATE CLASS TIME COUNT

| | | | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| $\$.10$ $+ .03$ | $\$.08$ $+ .04$ | $\$.10$ $+ .05$ | $\$.06$ $+ .07$ | $\$.06$ $+ .04$ | $\$.03$ $+ .02$ | $\$.07$ $+ .03$ |
| $\$.07$ $.01$ | $\$.15$ $.02$ | $\$.12$ $.05$ | $\$.06$ $.05$ | $\$.05$ $.05$ | $\$.14$ $+ .04$ | $\$.09$ $.01$ |
| $\$.10$ $-.05$ | $\$.08$ $-.04$ | $\$.07$ $-.05$ | $\$.06$ $-.05$ | $\$.14$ $-.04$ | $\$.09$ $-.02$ | $\$.12$ $-.05$ |
| $\$.07$ $-.02$ | $\$.15$ $-.02$ | $\$.06$ $-.03$ | $\$.15$ $-.04$ | $\$.18$ $-.08$ | $\$.16$ $-.04$ | $\$.13$ $-.03$ |
| $\$.09$ $+ .04$ | $\$.08$ $+ .06$ | $\$.13$ $+ .05$ | $\$.15$ $+ .10$ | $\$.12$ $+ .10$ | $\$.16$ $+ .10$ | $\$.17$ $+ .08$ |
| $\$.07$ $-.02$ | $\$.15$ $+ .04$ | $\$.06$ $-.05$ | $\$.18$ $+ .01$ | $\$.09$ $+ .06$ | $\$.10$ $+ .07$ | $\$.20$ $-.10$ |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | |
|--|--|--|--|--|--|--|
| $\begin{array}{r} \$.35 \\ + .10 \\ \hline \end{array}$ | $\begin{array}{r} \$.14 \\ + .20 \\ \hline \end{array}$ | $\begin{array}{r} \$.16 \\ + .03 \\ \hline \end{array}$ | $\begin{array}{r} \$.47 \\ + .02 \\ \hline \end{array}$ | $\begin{array}{r} \$.28 \\ + .10 \\ \hline \end{array}$ | $\begin{array}{r} \$.43 \\ + .06 \\ \hline \end{array}$ | $\begin{array}{r} \$.38 \\ + .11 \\ \hline \end{array}$ |
| $\begin{array}{r} \$.20 \\ - .10 \\ \hline \end{array}$ | $\begin{array}{r} \$.35 \\ - .10 \\ \hline \end{array}$ | $\begin{array}{r} \$.47 \\ - .02 \\ \hline \end{array}$ | $\begin{array}{r} \$.29 \\ - .16 \\ \hline \end{array}$ | $\begin{array}{r} \$.43 \\ - .31 \\ \hline \end{array}$ | $\begin{array}{r} \$.46 \\ - .24 \\ \hline \end{array}$ | $\begin{array}{r} \$.37 \\ - .26 \\ \hline \end{array}$ |
| $\begin{array}{r} \$.35 \\ + .20 \\ \hline \end{array}$ | $\begin{array}{r} \$.13 \\ + .14 \\ \hline \end{array}$ | $\begin{array}{r} \$.15 \\ + .44 \\ \hline \end{array}$ | $\begin{array}{r} \$.25 \\ + .10 \\ \hline \end{array}$ | $\begin{array}{r} \$.25 \\ + .10 \\ \hline \end{array}$ | $\begin{array}{r} \$.15 \\ + .12 \\ \hline \end{array}$ | $\begin{array}{r} \$.42 \\ + .26 \\ \hline \end{array}$ |
| $\begin{array}{r} \$.32 \\ + .16 \\ \hline \end{array}$ | $\begin{array}{r} \$.50 \\ + .03 \\ \hline \end{array}$ | $\begin{array}{r} \$.16 \\ + .03 \\ \hline \end{array}$ | $\begin{array}{r} \$.27 \\ + .12 \\ \hline \end{array}$ | $\begin{array}{r} \$.17 \\ + .30 \\ \hline \end{array}$ | $\begin{array}{r} \$.35 \\ + .34 \\ \hline \end{array}$ | $\begin{array}{r} \$.46 \\ + .12 \\ \hline \end{array}$ |
| $\begin{array}{r} \$.46 \\ + .31 \\ \hline \end{array}$ | $\begin{array}{r} \$.28 \\ + .61 \\ \hline \end{array}$ | $\begin{array}{r} \$.16 \\ + .43 \\ \hline \end{array}$ | $\begin{array}{r} \$.27 \\ + .29 \\ \hline \end{array}$ | $\begin{array}{r} \$.19 \\ + .49 \\ \hline \end{array}$ | $\begin{array}{r} \$.39 \\ + .50 \\ \hline \end{array}$ | $\begin{array}{r} \$.25 \\ + .05 \\ \hline \end{array}$ |
| $\begin{array}{r} \$.10 \\ + .15 \\ \hline \end{array}$ | $\begin{array}{r} \$.45 \\ + .28 \\ \hline \end{array}$ | $\begin{array}{r} \$.66 \\ + .14 \\ \hline \end{array}$ | $\begin{array}{r} \$.87 \\ + .12 \\ \hline \end{array}$ | $\begin{array}{r} \$.40 \\ + .36 \\ \hline \end{array}$ | $\begin{array}{r} \$.27 \\ + .31 \\ \hline \end{array}$ | $\begin{array}{r} \$.48 \\ + .51 \\ \hline \end{array}$ |
| $\begin{array}{r} \$.39 \\ + .47 \\ \hline \end{array}$ | $\begin{array}{r} \$.26 \\ + .67 \\ \hline \end{array}$ | $\begin{array}{r} \$.43 \\ + .37 \\ \hline \end{array}$ | $\begin{array}{r} \$.32 \\ + .40 \\ \hline \end{array}$ | $\begin{array}{r} \$.50 \\ + .23 \\ \hline \end{array}$ | $\begin{array}{r} \$.76 \\ + .26 \\ \hline \end{array}$ | $\begin{array}{r} \$.57 \\ + .26 \\ \hline \end{array}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|-------------------|-------------------|-------------------|-------------------|-------------------|
| \$.35 + .20 | \$.43 + .15 | \$.34 + .26 | \$.35 + .40 | \$.53 + .23 |
| \$.49 + .36 | \$.88 + .10 | \$.76 + .23 | \$.75 + .14 | \$.95 + .04 |
| \$.62 + .34 | \$.78 + .21 | \$ 8.72 + 1.19 | \$ 3.68 + 1.27 | \$ 9.76 + .06 |
| \$ 7.09 + 1.66 | \$ 2.97 + 6.76 | \$ 4.87 + 3.84 | \$ 1.32 + 7.68 | \$ 2.46 + 3.78 |
| \$ 5.25 + 2.36 | \$ 2.56 + 6.14 | \$ 7.64 + 1.74 | \$ 4.36 + 5.49 | \$ 5.49 + 1.27 |
| \$ 6.24 + .59 | \$ 7.36 + 1.79 | \$ 8.17 + 1.86 | \$ 9.23 + .47 | \$ 7.27 + 2.16 |

| NAME | DATE | CLASS | TIME | COUNT | |
|---------------------|----------------------|----------------------|---------------------|---------------------|---|
| $\$1.82$ $+3.16$ | $\$1.25$ $+3.64$ | $\$2.05$ $+1.35$ | $\$1.42$ $+6.17$ | $\$2.65$ $+7.34$ | $\$4.15$ $+2.34$ $\$5.05$ $+4.35$ |
| $\$6.98$ $+3.02$ | $\$4.15$ $+2.15$ | $\$9.25$ $+1.30$ | $\$6.70$ $+3.26$ | $\$7.04$ $+2.36$ | $\$7.50$ $+2.57$ $\$6.05$ $+4.98$ |
| $\$6.08$ $+3.94$ | $\$11.85$ $+6.69$ | $\$12.59$ $+5.07$ | $\$9.60$ $+4.55$ | $\$8.97$ $+7.27$ | $\$12.04$ $+5.57$ $\$7.61$ $+6.54$ |
| $\$3.40$ $+9.10$ | $\$7.87$ $+5.64$ | $\$7.69$ $+9.20$ | $\$9.48$ $+3.62$ | $\$7.35$ $+7.78$ | $\$8.54$ $+7.34$ $\$8.42$ $+9.28$ |
| $\$7.63$ $+9.53$ | $\$7.54$ $+8.96$ | $\$6.45$ $+9.39$ | $\$8.54$ $+6.97$ | $\$9.63$ $+7.48$ | $\$3.27$ $+9.48$ $\$8.96$ $+7.64$ |

| NAME | DATE | CLASS | TIME | COUNT |
|------------------------|------------------------|------------------------|------------------------|------------------------|
| \$5.87 6.99 3.12 | \$4.07 4.98 7.99 | \$7.86 8.95 2.03 | \$6.50 2.43 7.68 | \$7.65 1.54 3.84 |
| \$9.63 7.06 1.08 | | | | |
| \$4.10 7.44 5.43 | \$3.55 9.43 2.47 | \$2.40 8.23 7.38 | \$5.27 6.19 5.53 | \$4.66 2.46 5.53 |
| \$9.63 7.06 1.08 | | | | |
| \$4.47 8.23 2.46 | \$6.57 5.29 1.76 | \$6.17 2.69 5.76 | \$6.24 2.50 1.29 | \$3.23 6.27 7.72 |
| \$2.25 1.25 7.50 | | | | |

Inserting + or - to complete an equation.

COUNT

TIME

CLASS

DATE

NAME

| | | |
|--------|--------|-------|
| 1-2=3 | 4-1=5 | 5-1=6 |
| 4-1=3 | 3-3=6 | 1-1=0 |
| 2-2=0 | 2-1=1 | 1-7=8 |
| 5-1=4 | 1-1=2 | 3-1=2 |
| 4-4=0 | 5-5=0 | 2-3=5 |
| 2-1=3 | 1-9=10 | 4-2=2 |
| 6-1=7 | 1-5=6 | 1-6=7 |
| 1-3=4 | 2-4=6 | 2-5=7 |
| 5-5=10 | 1-8=9 | 4-2=6 |
| 2-7=9 | 3-2=5 | 3-6=9 |
| 5-4=1 | 6-2=8 | 4-4=8 |
| 2-8=10 | 4-3=7 | 5-2=7 |
| 3-4=7 | 6-4=2 | 5-4=9 |
| 6-4=10 | 4-5=9 | 6-2=4 |
| 6-5=1 | 5-3=2 | 6-3=9 |

NAME

DATE

CLASS

TIME

COUNT

$$505 = 6 + 4 \quad \square$$

$$702 = 4 + 1 \quad \square$$

$$801 = 10 - 1 \quad \square$$

515

$$703 = 5 + 2 + 3 \quad \square$$

$$404 = 6 - 6 \quad \square$$

$$509 = 10 + 4 \quad \square$$

$$606 = 2 + 8 + 2 \quad \square$$

$$401 = 5 - 2 \quad \square$$

$$1003 = 8 - 1 \quad \square$$

$$601 = 10 - 3 \quad \square$$

$$802 = 3 + 3 \quad \square$$

$$901 = 6 + 4 \quad \square$$

$$1002 = 4 + 4 \quad \square$$

$$1001 = 5 + 4 \quad \square$$

$$602 = 5 - 1 \quad \square$$

$$403 = 8 - 7 \quad \square$$

$$801 = 3 + 3 + 3 \quad \square$$

$$902 = 1 + 1 + 5 \quad \square$$

$$601 = 10 - 5 \quad \square$$

$$701 = 5 + 3 \quad \square$$

$$802 = 7 + 3 \quad \square$$

COUNT

TIME

CLASS

DATE

NAME

$$\frac{1}{2} \text{ of } 10 = 5$$

$$\frac{1}{2} \text{ of } 2 = 1$$

$$\frac{1}{2} \text{ of } 10 = 5$$

$$\frac{1}{2} \text{ of } 50 = 25$$

$$1 + 1 + 2 + 3 = 6$$

$$3 + 3 + 3 + 1 = 10$$

$$\frac{1}{2} \text{ of } 12 = 6$$

$$\frac{1}{2} \text{ of } 8 = 4$$

$$\frac{1}{2} \text{ of } 20 = 10$$

$$\frac{1}{2} \text{ of } 100 = 50$$

$$4 + 3 + 5 + 1 = 13$$

$$2 + 2 + 2 + 2 + 2 = 10$$

$$\frac{1}{2} \text{ of } 6 = 3$$

$$\frac{1}{2} \text{ of } 4 = 2$$

$$\frac{1}{2} \text{ of } 14 = 7$$

$$\frac{1}{2} \text{ of } 18 = 9$$

$$1 + 2 + 1 = 4$$

$$0 - 1 - 1 = -2$$

NAME

DATE

CLASS

TIME

COUNT

$$706 = 4 + 9 \quad \square$$

$$1005 = 7 + 8 \quad \square$$

$$16 = 1006$$

$$1302 = 5 + 6 \quad \square$$

$$904 = 10 - 5 \quad \square$$

$$6 + 6 + 6 = 190$$

$$7 + 7 = 2012$$

$$4 + 7 = 1001$$

$$5 + 7 = 903 \quad \square$$

$$9 + 8 = 1502 \quad \square$$

$$12 = 1402$$

$$9 + 9 = 701 \quad \square$$

$$5 + 9 = 1301 \quad \square$$

$$1501 = 7 + 9 \quad \square$$

$$605 = 11 - 0 \quad \square$$

$$707 = 4 + 10 \quad \square$$

$$1203 = 4 + 3 + 8 \quad \square$$

$$706 = 10 + 3 \quad \square$$

$$1501 = 6 + 8 \quad \square$$

$$1602 = 18$$

$$17 = 1601$$

$$5 + 5 + 5 = 1601 \quad \square$$

$$12 = 606$$

| NAME | DATE | CLASS | TIME | COUNT |
|--|---|---|------|-------|
| $7+7+7=20$ <input type="checkbox"/> 1 $5+5+5+5=15$ <input type="checkbox"/> 5 $3+3+3+3+3=9$ <input type="checkbox"/> 6 $56-6=40$ <input type="checkbox"/> 10 $\frac{1}{2}$ of 30 = 10 <input type="checkbox"/> 5 518 $25+5=20$ <input type="checkbox"/> 10 $75-5-5=60$ <input type="checkbox"/> 5 $10+10+10+10=$ <input type="checkbox"/> 40 <input type="checkbox"/> 10 | $9+9=$ <input type="checkbox"/> 16 <input type="checkbox"/> 2 $4+4+4+4=$ <input type="checkbox"/> 15 <input type="checkbox"/> 1 $24-4=$ <input type="checkbox"/> 23 <input type="checkbox"/> 3 $2+2+2+2+2=$ <input type="checkbox"/> 9 <input type="checkbox"/> 1 $4+4+4=$ <input type="checkbox"/> 9 <input type="checkbox"/> 3 $2+2+2+2=$ <input type="checkbox"/> 9 <input type="checkbox"/> 1 $\frac{1}{2}$ of 100 = 55 <input type="checkbox"/> 5 $35+5+5=$ <input type="checkbox"/> 50 <input type="checkbox"/> 5 $48-8=$ <input type="checkbox"/> 60 <input type="checkbox"/> 20 | $30+30=$ <input type="checkbox"/> 70 <input type="checkbox"/> 10 $5+5+5=$ <input type="checkbox"/> 20 <input type="checkbox"/> 5 $6+6+6=$ <input type="checkbox"/> 19 <input type="checkbox"/> 1 $37-7=$ <input type="checkbox"/> 32 <input type="checkbox"/> 2 $3+3+3+3=$ <input type="checkbox"/> 13 <input type="checkbox"/> 1 $\frac{1}{2}$ of 20 = 15 <input type="checkbox"/> 5 $20+20+20=$ <input type="checkbox"/> 50 <input type="checkbox"/> 10 | | |

Adding and subtracting. Vertical or horizontal. Money and time and measurement.
No carrying/borrowing. To 2000.

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} \$4.95 \\ +9.04 \\ \hline \end{array}$$

$$\begin{array}{r} \$10.40 \\ +3.22 \\ +4.37 \\ \hline \end{array}$$

$$\begin{array}{r} \$14.02 \\ +2.30 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.29 \\ +3.10 \\ +4.00 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.55 \\ +10.10 \\ +5.34 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.61 \\ +4.37 \\ +1.01 \\ \hline \end{array}$$

$$\begin{array}{r} \$8.01 \\ +7.69 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.84 \\ +9.05 \\ +5.10 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.66 \\ +10.00 \\ +3.03 \\ \hline \end{array}$$

$$\begin{array}{r} \$6.00 \\ +8.02 \\ +1.24 \\ \hline \end{array}$$

$$\begin{array}{r} \$15.10 \\ +1.66 \\ +3.11 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.26 \\ +2.03 \\ +3.70 \\ \hline \end{array}$$

$$\begin{array}{r} \$6.50 \\ +6.38 \\ +5.11 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.61 \\ +3.27 \\ +4.01 \\ \hline \end{array}$$

$$\begin{array}{r} \$17.23 \\ +1.76 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

$$\begin{array}{r} \$10.55 \\ - 5.10 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.29 \\ - 3.10 \\ \hline \end{array}$$

$$\begin{array}{r} \$14.92 \\ - 2.30 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.37 \\ - 3.22 \\ \hline \end{array}$$

$$\begin{array}{r} \$15.66 \\ - 3.11 \\ \hline \end{array}$$

$$\begin{array}{r} \$6.50 \\ - 5.10 \\ \hline \end{array}$$

$$\begin{array}{r} \$17.23 \\ - 7.10 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.84 \\ - 5.20 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.84 \\ - 5.10 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.96 \\ - 5.45 \\ \hline \end{array}$$

$$\begin{array}{r} \$10.12 \\ - 8.02 \\ \hline \end{array}$$

$$\begin{array}{r} \$19.99 \\ - 7.18 \\ \hline \end{array}$$

$$\begin{array}{r} \$6.80 \\ - 3.50 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.70 \\ - 1.60 \\ \hline \end{array}$$

$$\begin{array}{r} \$17.96 \\ - 12.06 \\ \hline \end{array}$$

COUNT

TIME

CLASS

DATE

NAME

| | | |
|----------------------|----------------------|-----------------------|
| $\$7.27 + \$4.51 =$ | $\$8.16 + \$8.92 =$ | $\$9.00 + \$9.68 =$ |
| $\$1.49 + \$10.50 =$ | $\$12.00 + \7.96 | $\$4.33 + \$15.33 =$ |
| $\$6.01 + \$13.98 =$ | $\$8.13 + \$11.33 =$ | $\$2.45 + \$17.31 =$ |
| $\$14.02 + \4.02 | $\$10.40 + \6.49 | $\$11.16 + \$3.72 =$ |
| $\$9.24 + \$2.30 =$ | $\$7.76 + \$3.22 =$ | $\$8.00 + \$9.00 =$ |
| $\$9.80 + \9.11 | $\$7.77 + \$2.10 =$ | $\$9.79 + \$4.10 =$ |
| $\$6.66 + \3.33 | $\$5.58 + \$12.41 =$ | $\$13.07 + \$12.91 =$ |
| $\$4.95 + \9.04 | $\$6.47 + \$3.32 =$ | $\$8.10 + \$4.89 =$ |
| $\$9.70 + \2.22 | $\$9.41 + \$9.38 =$ | $\$5.65 + \$10.34 =$ |

COUNT

TIME

CLASS

DATE

NAME

2 hrs. 45 min. + 5 hrs. 45 min. 178 hrs. 14 hrs. 15 sec. 510 hrs.
 + 10 hrs. 12 min. + 3 hrs. 10 min. + 800 hrs. + 50 hrs. 10 sec. + 129 hrs.

24 hrs. 30 min. 610 sec. 195 min. 7 ft + 10 in 365 days
 + 21 hrs. 60 min. + 166 sec. + 900 min. + 7 ft + 1 in + 234 days

144 doz. 546 tons 7 ft + 10 in 1000 ft 396 oz.
 + 144 doz. + 143 tons + 7 ft + 1 in + 965 ft + 730 oz.

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------------------------|--------------------------------------|--------------------------------|-------------------------------------|------------------------|
| 10 hrs. 12 min. + 4 hrs. 6 min. | 63 hrs. 45 min. - 41 hrs. 10 min. | 878 hrs. - 167 hrs. | 14 hrs. 15 sec. - 8 hrs. 10 sec. | 529 hrs. - 110 hrs. |
| 24 hrs. 36 min. - 21 hrs. 12 min. | 666 sec. - 210 sec. | 995 min. - 633 min. | 10 ft. 7 in. - 7 ft. 1 in. | 365 days - 234 days |
| 144 doz. - 101 doz. | 546 tons - 143 tons | 17 ft. 10 in. - 7 ft. 1 in. | 1965 ft. - 111 ft. | 739 oz. - 336 oz. |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | |
|------------------------------------|-------------------------------------|-----------------------------------|
| 2 hrs. 45 min. + 10 hrs. 12 min. = | 5 hrs. 45 min. + 3 hrs. 10 min. = | 3 hrs. 40 min. + 5 hrs. 14 min. = |
| 104 hrs. + 622 hrs. = | 159 mins. + 840 min. = | 431 sec. + 300 sec. = |
| 700 yrs. + 807 yrs. = | 178 hrs. + 800 hrs. = | 809 min. + 600 min. = |
| 908 hrs. + 900 hrs. = | 813 days + 400 days = | 300 hrs. + 431 hrs. = |
| 378 hrs. + 1020 hrs. = | 195 min. + 900 min. = | 516 min. + 1034 min. = |
| 14 hrs. 15 sec. + 50 hrs 10 sec | 224 hrs. + 175 hrs. = | 358 min. + 641 min. = |
| 510 hrs. + 129 hrs. = | 10 hrs. 40 min. + 70 hrs. 10 min. = | 390 sec. + 700 sec. = |
| 291 min. + 708 min. = | 451 hrs. + 948 hrs. = | 24 hrs. + 93 hrs. = |
| 108 hrs. + 881 hrs. = | 4 hrs. 45 min. + 40 hrs. 4 min. = | 610 sec. + 166 sec. = |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | |
|---------------------------|-------------------------|--------------------------|
| 3 ft. 3 in. + 2 ft 6 in = | 5 ft 1 in + 9 ft 8 in = | 8 ft. 1 in + 3 ft 2 in = |
| 8 ft. 6 in + 2 ft 2 in = | 104 ft + 981 ft = | 609 miles + 600 miles |
| 6 ft 7 in + 4 ft 1 in = | 546 Tons + 143 Tons = | 20 02 + 40 02 = |
| 7 ft 10 in. + 7 ft 1 in = | 444 Tons + 631 Tons = | 60 gal. + 310 gal. = |
| 313 days + 216 days = | 15 min + 100 min = | 175 lbs + 930 lbs = |
| 120 min + 45 min = | 92 ft + 107 ft = | 365 days + 234 days = |
| 545 pt. + 200 pt. = | 117 Tons + 112 Tons = | 120 min + 60 min = |
| 410 doz. + 200 doz. = | 130 min + 169 min = | 38 doz + 111 doz. = |
| 1000 ft. + 965 ft. = | 144 doz. + 144 doz. = | 369 02 + 730 02 = |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

3ft 3in 444 tons 6ft 10in. 609 miles 120 min.
+ 2ft 6in + 631 tons + 12ft 1in + 600 miles + 45 min

527

545 pt. 169 min 144 doz. 8 ft 6 in 104 ft.
- 500 pt. - 130 min + 144 doz - 2 ft 2 in + 981 ft

310 gal. 365 days 169 min. 1000 ft. 7300.
+ 60 gal. - 234 days - 130 min. + 965 ft + 3600.

Adding and subtracting. Vertical or horizontal. Money and time and measurement.
With carrying and borrowing.

NAME DATE CLASS TIME COUNT

$$\begin{array}{r} 134 \\ + 194 \\ \hline \end{array}$$

$$154 + 274 =$$

4

$$\begin{array}{r} 594 \\ 234 \\ \hline \end{array}$$

$$\begin{array}{r} 674 \\ 444 \\ \hline \end{array}$$

$$\begin{array}{r} 364 \\ 294 \\ \hline \end{array}$$

4

$$244 + 394 =$$

4

$$\$.22 + \$.89 =$$

529

$$924 + 294 =$$

$$344 + 784 =$$

$$\begin{array}{r} \$.64 \\ + .89 \\ \hline \end{array}$$

$$\begin{array}{r} \$.38 \\ + .09 \\ \hline \end{array}$$

$$\begin{array}{r} 164 \\ + 84 \\ \hline \end{array}$$

$$24 + 794 =$$

$$\$ 57 + \$.08 =$$

$$\begin{array}{r} 354 \\ + 74 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ + 574 \\ \hline \end{array}$$

$$\begin{array}{r} \$.28 \\ + .15 \\ \hline \end{array}$$

$$654 + 234 =$$

$$34 + 884 =$$

NAME DATE CLASS TIME COUNT

| | | | | | |
|-------|----------|-------|--------|-------|-------|
| 13¢ | \$.59 | 67¢ | \$.36 | 64¢ | 53¢ |
| + 19¢ | + \$.23 | + 44¢ | + .29 | + 89¢ | + 68¢ |

530

| | | | | | |
|-------|--------|-------|-------|--------|-------|
| 77¢ | \$.60 | 65¢ | 87¢ | \$.40 | 64¢ |
| - 59¢ | - .38 | - 49¢ | - 29¢ | - .38 | - 29¢ |

53¢ - 37¢ =

32¢ + 29¢ =

\$.35 - \$.29 =

\$.44 + \$.66 =

62¢ - 54¢ =

\$.37 + \$.63 =

NAME

DATE

CLASS

TIME

COUNT

HOW MANY MINUTES MORE THAN AN HOUR ARE:

a. 72 minutes b. 68 minutes c. 87 minutes

$$\begin{array}{r} 72 \\ - 60 \\ \hline \end{array}$$

$$72 - 60 = \underline{\quad}$$

HOW MANY MINUTES FEWER THAN AN HOUR ARE:

a. 38 minutes b. 25 minutes c. 17 minutes

$$\begin{array}{r} 60 \\ - 38 \\ \hline \end{array}$$

$$60 - 38 = \underline{\quad}$$

531

| | | | |
|--------------------|------|-------------------|------|
| 1 hr. And 45 min = | min. | 45 min - 30 min = | min. |
| 1 hr. And 15 min = | min. | 1 hr. - 30 min = | min. |
| 1 hr. And 20 min = | min. | 50 min - 15 min = | min. |

COUNT

TIME

CLASS

DATE

NAME

$$12 \text{ inches (in.)} = 1 \text{ foot (ft)} \quad 1 \text{ ft} = 12 \text{ in.}$$

$$3 \text{ feet (ft)} = 1 \text{ yard (yd)} \quad 36 \text{ inches (in.)} = 1 \text{ yd.}$$

HOW MANY INCHES MORE THAN A FOOT ARE:

a. 22 inches b. 17 inches c. 13 inches

$$\begin{array}{r} 22 \text{ in.} \\ - 12 \\ \hline 10 \text{ in.} \end{array}$$

HOW MANY INCHES FEWER THAN A FOOT ARE:

a. 10 inches b. 8 inches c. 3 inches

$$\begin{array}{r} 12 \text{ in.} \\ - 10 \text{ in.} \\ \hline 2 \text{ in.} \end{array}$$

$$12 \text{ inches} + 3 \text{ inches} = 15 \text{ inches}$$

$$18 \text{ inches} = 1 \text{ foot and } 6 \text{ inches}$$

$$30 \text{ inches} + 21 \text{ inches} = 51 \text{ inches} = 4 \text{ feet and } 3 \text{ inches}$$

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | |
|--|------------|---|
| Add: | | |
| $2\text{¢} + 4\text{¢} + 16\text{¢} + 8\text{¢} =$ | ¢ | $3\text{ in.} + 4\text{ in.} + 7\text{ in.} + 2\text{ in.} =$ in. |
| $2\text{¢} + 15\text{¢} + 8\text{¢} =$ | ¢ | $1\text{ ft.} + 6\text{ in.} + 3\text{ in.} + 3\text{ in.} =$ ft. |
| $4\text{¢} + 50\text{¢} + 7\text{¢} + 9\text{¢} =$ | ¢ | $16\text{ min.} + 13\text{ min.} + 22\text{ min.} =$ min. |

533

| | | | | | |
|--------------|----------|-----------------|-----------------|-----------------|------------------|
| 7¢ | $\$.12$ | 6 in. | 9 in. | 3 ft. | 14 min. |
| 16¢ | $.07$ | 2 in. | 7 in. | 2 ft. | 17 min. |
| 4¢ | $.50$ | 22 in. | 4 in. | 11 ft. | 30 min. |
| 8¢ | $.13$ | 13 in. | 10 in. | 14 ft. | 45 min. |
| | | | | ft. | min. |

$1\text{ hr. } 30\text{ min.} + 3\text{ hr. } 15\text{ min.} =$ hr. and min.

$3\text{ ft. } 7\text{ in.} + 2\text{ ft. } 11\text{ in.} =$ yd. and ft. and in.

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Subtract:

$$32¢ - 19¢ =$$

$$80¢ - 73¢$$

$$\$.74 - \$.09 =$$

$$\$.44 - \$.28 =$$

$$60¢ - 52¢$$

$$17¢ - 8¢ =$$

$$50 \text{ min} - 18 \text{ min} =$$

min

$$72 \text{ min} - 60 \text{ min} =$$

min

$$90 \text{ min} - 15 \text{ min} =$$

min

$$38 \text{ min} - 29 \text{ min} =$$

min

$$38 \text{ min} - 29 \text{ min} =$$

min

$$36 \text{ in} - 18 \text{ in} =$$

in

$$13 \text{ ft} - 8 \text{ ft} =$$

ft.

$$27 \text{ ft} - 19 \text{ ft} =$$

ft.

$$\begin{array}{r} 78¢ \\ -19¢ \\ \hline \end{array}$$

$$\begin{array}{r} 62 \text{ min} \\ -16 \text{ min} \\ \hline \end{array}$$

$$\begin{array}{r} 84 \text{ min} \\ -76 \text{ min} \\ \hline \end{array}$$

$$\begin{array}{r} 42 \text{ in} \\ -36 \text{ in} \\ \hline \end{array}$$

$$\begin{array}{r} 72 \text{ in} \\ -8 \text{ in} \\ \hline \end{array}$$

Adding, subtracting with/without carrying to 1,000 in any direction -
money to \$1.00, time units.

NAME

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| | | | | |
|--------|--------|--------|--------|--------|
| \$.30 | \$.70 | \$.92 | \$.46 | \$.85 |
| + .63 | + .20 | + .06 | + .31 | + .10 |
| \$.24 | \$.98 | \$.70 | \$.90 | \$.63 |
| + .74 | + .01 | + .16 | + .03 | + .34 |
| \$.50 | \$.82 | \$.73 | \$.64 | \$.82 |
| + .17 | + .15 | + .16 | + .12 | + .13 |

7 days = ☐ weeks
 12 months = ☐ years
 60 minutes = ☐ hours
 60 seconds = ☐ min.

☐ days = 3 weeks
☐ months = 5 years
 120 minutes = ☐ hours
☐ days = 1 year

☐ days = ☐ weeks
 24 months = ☐ years
☐ minutes = 6 hours
☐ days = 1 leap year

365 days = ☐ yr.
 12 months = ☐ yr.
 180 mins. = ☐ hrs.

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------------------|---|---------------------------------------|---|------------------------------------|
| 346 <u>+536</u> | 319 <u>+174</u> | 156 <u>+28</u> | 464 <u>+306</u> | 323 <u>+67</u> |
| 638 <u>+47</u> | 217 <u>+108</u> | 568 <u>+214</u> | 839 <u>+156</u> | 686 <u>+305</u> |
| 53728 <u>+259</u> | 547 <u>+46</u> | 563 <u>+373</u> | 496 <u>+160</u> | 694 <u>+75</u> |
| 873+64= | 356+81= | 773 <u>+42</u> | 195 <u>+347</u> | 734 <u>+79</u> |
| 800 79 <u>+52</u> | 285 4189 <u>218</u> | 263 340 <u>+111</u> | 773+81+72= | 79 162 <u>+734</u> |
| 3 days 6 hrs. 4 days 6 hrs. | 1 hr. 54 mins. <u>+ 2 hrs. 6 mins.</u> | 364 days. 12 hrs. <u>+ 12 hrs.</u> | 5 hrs. 54 secs. <u>+ 1 hr. 6 secs.</u> | 1 yr. 9 mo. <u>6 yrs. 3 mo.</u> |

| NAME | DATE | CLASS | TIME | COUNT |
|----------|----------|----------|----------|-----------|
| 507 | 705 | 900 | 500 | 587 |
| -242 | -566 | -783 | -116 | -409 |
| 961 | 580 | 671 | 864 | 977 |
| -452 | -259 | -318 | -716 | -958 |
| 183 | 894 | 957 | 488 | 968 |
| -174 | -223 | -825 | -431 | -534 |
| 538 | 829 | 989 | 850 | 1330 |
| 926 | -726 | -200 | -300 | -530 |
| -406 | | | | |
| 984 | 790 | 850 | 900 | 800 |
| -662 | -710 | -300 | -595 | -390 |
| 623-104= | 472-186= | 982-411= | 673-502= | 1000-678= |

| NAME | DATE | CLASS | TIME | COUNT |
|------------------------------------|-----------------------------------|-------------------|-------------------------------------|----------------------------------|
| \$.85 - .08 | \$ 6.00 - 5.49 | \$.57 - .02 | \$.48 - .08 | \$.85 - .63 |
| \$.98 - .75 | \$.47 - .14 | \$.39 - .33 | \$ 1.83 - 1.74 | \$ 4.88 - 4.31 |
| 705 - 566 | 580 - 259 | 894-223 = | 829-726 = | 990-70 = |
| 500-116 = | 864-716 = | 488-431 = | 850-300 = | 900-595 = |
| Chrs. 20 mins. - 1 hr. 47 mins. | 16 wks. 6 days - 4 wks. 4 days | 24 mo. - 12 mo | 59 hr. 10 mins. - 16 hr. 37 mins | 3 hr. 10 sec. - 1 hr. 30 sec. |
| | | | = □ yr. | |

| NAME | DATE | CLASS | TIME | COUNT |
|--|------------------------------------|------------------|------------------|--------------|
| 7 yr. 4 mo. - 5 yr. 8 mo. | 7 day 3 hr. - 6 day 12 hr. | \$ 1.92 + .06 | \$ 1.63 + .34 | 587 - 409 |
| 5 min. 6 $\frac{1}{5}$ sec. - 5 min. 4 $\frac{1}{5}$ sec. | 4 hr. 28 min. + 3 hr. 45 min. | \$ 1.70 .16 | \$ 1.82 .13 | 977 - 958 |
| 5 min. 36 sec. - 2 min. 15 sec. | 5 hr. 20 min. + 4 hr. 8 min. | \$ 1.73 .16 | 734 + 79 | 488 - 431 |
| 4 days 15 hr. - 3 days 9 hr. | 5 min. 45 sec. + 6 min. 30 sec. | \$ 1.64 .12 | 195 + 347 | 900 - 595 |
| 81 + 356 = | 79 162 734 | \$ 1.85 .10 | 195 + 347 | 1000 - 679 = |

Multiplying, dividing combinations through 9 X 9, 81 ÷ 9

COUNT

TIME

CLASS

DATE

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$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array} \begin{array}{r} 1 \\ \times 7 \\ \hline \end{array} \begin{array}{r} 3 \\ \times 4 \\ \hline \end{array} \begin{array}{r} 3 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 5 \\ \times 8 \\ \hline \end{array} \begin{array}{r} 6 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 4 \\ \times 6 \\ \hline \end{array} \begin{array}{r} 0 \\ \times 1 \\ \hline \end{array} \begin{array}{r} 5 \\ \times 7 \\ \hline \end{array} \begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 1 \\ \times 8 \\ \hline \end{array} \begin{array}{r} 2 \\ \times 3 \\ \hline \end{array} \begin{array}{r} 6 \\ \times 7 \\ \hline \end{array} \begin{array}{r} 1 \\ \times 5 \\ \hline \end{array} \begin{array}{r} 0 \\ \times 2 \\ \hline \end{array} \begin{array}{r} 2 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 3 \\ \times 7 \\ \hline \end{array} \begin{array}{r} 1 \\ \times 2 \\ \hline \end{array} \begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array} \begin{array}{r} 1 \\ \times 6 \\ \hline \end{array} \begin{array}{r} 6 \\ \times 8 \\ \hline \end{array} \begin{array}{r} 3 \\ \times 0 \\ \hline \end{array} \begin{array}{r} 4 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 2 \\ \times 4 \\ \hline \end{array} \begin{array}{r} 2 \\ \times 6 \\ \hline \end{array} \begin{array}{r} 3 \\ \times 5 \\ \hline \end{array} \begin{array}{r} 6 \\ \times 0 \\ \hline \end{array} \begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 1 \\ \times 4 \\ \hline \end{array} \begin{array}{r} 5 \\ \times 6 \\ \hline \end{array} \begin{array}{r} 0 \\ \times 8 \\ \hline \end{array} \begin{array}{r} 3 \\ \times 8 \\ \hline \end{array} \begin{array}{r} 4 \\ \times 5 \\ \hline \end{array} \begin{array}{r} 4 \\ \times 7 \\ \hline \end{array} \begin{array}{r} 1 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array} \begin{array}{r} 9 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 4 \\ \times 8 \\ \hline \end{array} \begin{array}{r} 4 \\ \times 0 \\ \hline \end{array} \begin{array}{r} 8 \\ \times 9 \\ \hline \end{array} \begin{array}{r} 0 \\ \times 7 \\ \hline \end{array} \begin{array}{r} 8 \\ \times 4 \\ \hline \end{array} \begin{array}{r} 6 \\ \times 6 \\ \hline \end{array} \begin{array}{r} 2 \\ \times 4 \\ \hline \end{array} \begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

NAME

DATE

CLASS

TIME

COUNT

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| $\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$ |
| $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$ | |
| $\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$ | |
| $\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ \times 4 \\ \hline \end{array}$ | |
| $\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$ | |
| $\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$ | |
| $\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$ | | | | | | |

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| NAME | DATE | CLASS | TIME | COUNT |
|-------------|-------------|-------------|-------------|-------------|
| $10 \div 5$ | $7 \div 7$ | $12 \div 4$ | $40 \div 8$ | $24 \div 6$ |
| $8 \div 8$ | $6 \div 3$ | $42 \div 7$ | $18 \div 9$ | $2 \div 2$ |
| $48 \div 8$ | $36 \div 9$ | $8 \div 4$ | $15 \div 5$ | $45 \div 9$ |
| $20 \div 5$ | $28 \div 7$ | $9 \div 9$ | $3 \div 3$ | $72 \div 9$ |
| $27 \div 3$ | | | | |
| $18 \div 6$ | $16 \div 8$ | $30 \div 6$ | $36 \div 6$ | |
| $63 \div 9$ | $6 \div 6$ | $24 \div 8$ | $8 \div 4$ | |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | |
|---------------|---------------|---------------|---------------|---------------|
| $10 \div 2 =$ | $12 \div 4 =$ | $40 \div 5 =$ | $9 \div 9 =$ | $7 \div 7 =$ |
| $12 \div 3 =$ | $40 \div 8 =$ | $63 \div 9 =$ | $15 \div 3 =$ | $54 \div 9 =$ |
| $16 \div 8 =$ | $35 \div 7 =$ | $24 \div 4 =$ | $42 \div 7 =$ | $18 \div 2 =$ |
| $18 \div 6 =$ | $54 \div 6 =$ | $21 \div 3 =$ | $45 \div 9 =$ | $3 \div 3 =$ |
| $35 \div 5 =$ | $24 \div 6 =$ | $63 \div 7 =$ | $24 \div 8 =$ | $14 \div 7 =$ |
| $8 \div 4 =$ | $21 \div 7 =$ | $2 \div 2 =$ | $4 \div 4 =$ | $36 \div 9 =$ |
| $24 \div 3 =$ | $63 \div 7 =$ | $24 \div 8 =$ | $48 \div 8 =$ | $27 \div 9 =$ |
| $42 \div 6 =$ | $56 \div 7 =$ | $72 \div 8 =$ | $14 \div 2 =$ | $30 \div 6 =$ |
| $6 \div 2 =$ | $45 \div 5 =$ | $6 \div 6 =$ | $36 \div 4 =$ | $5 \div 5 =$ |
| $10 \div 2 =$ | $6 \div 3 =$ | $32 \div 8 =$ | $15 \div 5 =$ | $30 \div 5 =$ |
| | | | | |

Supplying missing sign $>$ $<$, or $=$ for combinations of $+$, $-$, \times or \div .

| NAME | DATE | CLASS | TIME | COUNT |
|------|---------|-------|---------|-------------------|
| | $14+28$ | — | $13+28$ | $92+8$ — $74+26$ |
| | $16+4$ | — | $5+19$ | $44+9$ — $9+40$ |
| | $6+84$ | — | $64+8$ | $62+71$ — $71+63$ |
| | $23+5$ | — | $16+8$ | $24+74$ — $36+36$ |
| | $34+8$ | — | $40+2$ | $64+24$ — $24+60$ |
| | $9+82$ | — | $87+3$ | $82+46$ — $56+72$ |
| | $65+24$ | — | $23+64$ | $71+2$ — $2+17$ |
| | $84+20$ | — | $83+21$ | $48+24$ — $10+62$ |
| | $64+64$ | — | $69+72$ | $43+41$ — $86+0$ |
| | $84+0$ | — | $42+43$ | $43+9$ — $9+45$ |
| | $64+15$ | — | $15+46$ | $84+24$ — $92+6$ |
| | $78+26$ | — | $28+76$ | $78+5$ — $5+71$ |

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| NAME | DATE | CLASS | TIME | COUNT |
|-------|-------|-------|-------|-------|
| 48-16 | 58-26 | | 74-22 | 94-43 |
| 78-8 | 92-23 | | 92-47 | 62-16 |
| 41-7 | 36-4 | | 36-4 | 41-7 |
| 78-42 | 32-0 | | 46-29 | 64-29 |
| 46-14 | 96-57 | | 24-18 | 42-18 |
| 74-9 | 64-1 | | 48-39 | 27-17 |
| 84-19 | 94-29 | | 74-29 | 88-33 |
| 64-29 | 46-29 | | 92-23 | 78-8 |
| 64-17 | 85-40 | | 74-22 | 47-22 |
| 62-16 | 92-47 | | 94-29 | 84-19 |
| 74-29 | 87-32 | | 41-7 | 36-4 |
| 16-16 | 29-9 | | | |

COUNT

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NAME

 14×6 ——— 15×7 ——— 42×7 ——— 293
 92×7 ——— 92×6 ——— 86×4 ——— 344
 74×3 ——— 3×74 ——— 74×3 ——— 7×21
 28×5 ——— 29×4 ——— 92×6 ——— 8×69
 85×7 ——— 9×66 ——— 81×4 ——— 333
 34×8 ——— 4×78 ——— 48×6 ——— 52×7
 65×6 ——— 63×5 ——— 64×6 ——— 6×64
 42×7 ——— 3×98 ——— 72×8 ——— 56×6
 49×8 ——— 8×49 ——— 6×27 ——— 5×28
 62×5 ——— 74×4 ——— 74×6 ——— 73×6
 75×8 ——— 9×73 ——— 22×9 ——— 61×3
 57×7 ——— 56×7 ——— 43×3 ——— 6×22

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$16 \div 2$

$24 \div 3$

$72 \div 6$

$30 \div 3$

$56 \div 8$

$14 \div 2$

$42 \div 3$

$70 \div 5$

$21 \div 7$

$32 \div 8$

$246 \div 6$

$393 \div 3$

$32 \div 8$

$21 \div 7$

$240 \div 5$

$230 \div 5$

$63 \div 9$

$49 \div 7$

$74 \div 2$

$242 \div 2$

$81 \div 9$

$27 \div 9$

$49 \div 7$

$64 \div 8$

$60 \div 5$

$24 \div 3$

$66 \div 3$

$99 \div 9$

$72 \div 8$

$21 \div 3$

$324 \div 4$

$810 \div 9$

$80 \div 5$

$32 \div 2$

$748 \div 2$

$748 \div 4$

$42 \div 6$

$27 \div 3$

$390 \div 6$

$392 \div 2$

$64 \div 8$

$58 \div 8$

$466 \div 2$

$488 \div 8$

$20 \div 4$

$60 \div 5$

$290 \div 5$

$348 \div 6$

Mixing exercises in multiplication and division.

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TIME

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| | | | | | | | | |
|---|--|---|--|--|--|--|--|--|
| $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 0 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 2 \overline{)10} \\ \underline{4} \\ 6 \end{array}$ | $\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 7 \overline{)21} \\ \underline{14} \\ 7 \end{array}$ | $\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 2 \overline{)8} \\ \underline{4} \\ 4 \end{array}$ | $\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 0 \overline{)3} \\ \underline{0} \\ 3 \end{array}$ |
| $\begin{array}{r} 4 \overline{)16} \\ \underline{4} \\ 0 \end{array}$ | $\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 6 \overline{)18} \\ \underline{12} \\ 6 \end{array}$ | $\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 6 \overline{)24} \\ \underline{18} \\ 6 \end{array}$ | $\begin{array}{r} 4 \overline{)32} \\ \underline{32} \\ 0 \end{array}$ | $\begin{array}{r} 2 \overline{)16} \\ \underline{16} \\ 0 \end{array}$ | $\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$ | |
| $\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 2 \overline{)20} \\ \underline{14} \\ 6 \end{array}$ | $\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 3 \overline{)18} \\ \underline{12} \\ 6 \end{array}$ | $\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 5 \overline{)15} \\ \underline{10} \\ 5 \end{array}$ | $\begin{array}{r} 0 \\ \times 3 \\ \hline \end{array}$ | |
| $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \overline{)20} \\ \underline{10} \\ 10 \end{array}$ | $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 3 \overline{)21} \\ \underline{18} \\ 3 \end{array}$ | $\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 4 \overline{)8} \\ \underline{4} \\ 4 \end{array}$ | $\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$ |
| $\begin{array}{r} 2 \overline{)14} \\ \underline{4} \\ 0 \end{array}$ | $\begin{array}{r} 7 \overline{)21} \\ \underline{14} \\ 7 \end{array}$ | $\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 6 \overline{)12} \\ \underline{12} \\ 0 \end{array}$ | $\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 4 \overline{)24} \\ \underline{24} \\ 0 \end{array}$ | $\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$ |
| $\begin{array}{r} 10 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 2 \overline{)12} \\ \underline{4} \\ 8 \end{array}$ | $\begin{array}{r} 8 \overline{)16} \\ \underline{16} \\ 0 \end{array}$ | $\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 8 \overline{)32} \\ \underline{24} \\ 8 \end{array}$ | $\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$ |
| $\begin{array}{r} 3 \overline{)6} \\ \underline{3} \\ 0 \end{array}$ | $\begin{array}{r} 2 \overline{)6} \\ \underline{2} \\ 0 \end{array}$ | $\begin{array}{r} 8 \overline{)40} \\ \underline{24} \\ 16 \end{array}$ | $\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 3 \overline{)24} \\ \underline{24} \\ 0 \end{array}$ | $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 4 \overline{)36} \\ \underline{32} \\ 4 \end{array}$ | $\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$ |
| $\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$ | $\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$ | $\begin{array}{r} 2 \overline{)4} \\ \underline{2} \\ 0 \end{array}$ | $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 2 \overline{)18} \\ \underline{10} \\ 8 \end{array}$ | $\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$ | $\begin{array}{r} 9 \overline{)18} \\ \underline{18} \\ 0 \end{array}$ | $\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$ | $\begin{array}{r} 9 \overline{)36} \\ \underline{36} \\ 0 \end{array}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|-----------|-----------|----------|-----------|-------|
| 4x1 40÷8 | 1x1 4÷2 | 9x5 18÷9 | 5x1 18÷9 | |
| 6÷2 2x2 | 6÷3 40÷5 | 8x3 24÷8 | 8x5 36÷9 | |
| 10x2 28÷7 | 9x2 12÷6 | 16÷8 1x4 | 32÷8 7x5 | |
| 14÷7 2x4 | 21÷3 2x1 | 8x2 12÷6 | 3x3 24÷6 | |
| 4x5 14÷2 | 5x3 20÷4 | 4x3 21÷7 | 8x4 8÷2 | |
| 7x2 28÷4 | 5x3 20÷10 | 7x4 18÷6 | 3x1 4x2 | |
| 6x3 20÷5 | 6x4 18÷3 | 9÷3 7x3 | 24÷4 32÷8 | |
| 5x4 16÷4 | 0x2 10÷8 | 3÷1 7x4 | 21÷3 2x5 | |
| 24÷3 1x5 | 10x4 6x5 | 25÷5 0x3 | 6x2 3÷0 | |

NAME

DATE

CLASS

TIME

COUNT

| | | | | | | | | | | |
|-----|------------------|-------|----------------|------|----------------|------------------|-----------------|----------------|----------------|----------------|
| 1 | $\frac{1}{x7}$ | 9181 | $\frac{2}{x6}$ | 117 | 6143 | $\frac{535}{x6}$ | $\frac{8}{x7}$ | 3121 | $\frac{3}{x6}$ | 5195 |
| 1 | $\frac{1}{x6}$ | 9145 | $\frac{2}{x7}$ | 8148 | 118 | $\frac{2}{x8}$ | $\frac{9}{x9}$ | 119 | $\frac{5}{x8}$ | 6118 |
| 5 | $\frac{5}{x9}$ | 8156 | $\frac{6}{x8}$ | 2114 | 616 | $\frac{3}{x7}$ | $\frac{4}{x9}$ | 7121 | 3118 | $\frac{8}{x9}$ |
| 557 | $\frac{557}{x8}$ | 5145 | $\frac{4}{x6}$ | 818 | 8140 | $\frac{7}{x9}$ | $\frac{4}{x7}$ | 7114 | $\frac{3}{x9}$ | 8172 |
| | | | $\frac{9}{x7}$ | 5140 | 3121 | $\frac{7}{x6}$ | $\frac{3}{x8}$ | $\frac{5}{x7}$ | $\frac{2}{x9}$ | |
| | | 7128 | 7121 | | | $\frac{9}{x8}$ | $\frac{8}{x6}$ | 9172 | $\frac{6}{x7}$ | |
| | | 8172 | $\frac{9}{x8}$ | 3184 | $\frac{8}{x6}$ | 7123 | $\frac{10}{x7}$ | 9172 | 1010 | |
| | | 10170 | $\frac{2}{x6}$ | 7142 | $\frac{3}{x6}$ | 9172 | $\frac{4}{x6}$ | 9154 | $\frac{5}{x6}$ | 3112 |
| | $\frac{6}{x9}$ | 817 | $\frac{4}{x8}$ | 418 | 154 | 8132 | 8132 | 3112 | 5115 | |

| NAME | DATE | CLASS | TIME | COUNT |
|----------------|----------------|----------------|----------------|----------------|
| $7 \times 1 =$ | $6 \times 2 =$ | $7 \div 1 =$ | $48 \div 6 =$ | $35 \div 5 =$ |
| $5 \times 9 =$ | $6 \times 8 =$ | $14 \div 7 =$ | $6 \div 6 =$ | $36 \div 6 =$ |
| $1 \times 6 =$ | $6 \times 4 =$ | $8 \div 8 =$ | $40 \div 5 =$ | $7 \times 4 =$ |
| $8 \times 7 =$ | $7 \times 2 =$ | $48 \div 6 =$ | $8 \div 1 =$ | $56 \div 8 =$ |
| $28 \div 4 =$ | $9 \times 7 =$ | $40 \div 8 =$ | $8 \times 3 =$ | $21 \div 7 =$ |
| $72 \div 9 =$ | $24 \div 8 =$ | $8 \times 6 =$ | $6 \times 9 =$ | $36 \div 4 =$ |
| $70 \div 10 =$ | $2 \times 6 =$ | $42 \div 6 =$ | $72 \div 8 =$ | $9 \times 1 =$ |
| $9 \times 6 =$ | $32 \div 8 =$ | $8 \div 2 =$ | $54 \div 9 =$ | $4 \times 6 =$ |
| $3 \times 6 =$ | $72 \div 9 =$ | $5 \times 8 =$ | $36 \div 9 =$ | $24 \div 3 =$ |
| $35 \div 5 =$ | $16 \div 2 =$ | $18 \div 3 =$ | $9 \times 2 =$ | $10 \div 10 =$ |
| | | | | $12 \div 4$ |
| | | | | $15 \div 5 =$ |

Supplying missing $>$, $<$, or $=$ in addition, subtraction, multiplication and division problems.

COUNT

TIME

CLASS

DATE

| | | | | | | | | | |
|------|------|------|-----|------|------|------|------|------|------|
| 1+2 | 2+1 | 0+3 | 2+4 | 5+6 | 7+3 | 2+2 | 3+1 | 4+4 | 5+2 |
| 3+6 | 7+4 | 6+4 | 5+6 | 4+5 | 3+8 | 2+9 | 3+9 | 7+2 | 5+3 |
| 4+3 | 3+4 | 6+1 | 2+3 | 9+0 | 7+1 | 4+0 | 3+2 | 3+3 | 2+5 |
| 2+6 | 4+7 | 2+9 | 9+2 | 9+1 | 10+1 | 0+0 | 0+1 | 2+8 | 3+7 |
| 3+9 | 5+7 | 6+5 | 8+4 | 8+1 | 7+0 | 10+2 | 5+5 | 5+4 | 3+5 |
| 1+3 | 4+1 | 6+0 | 1+4 | 0+4 | 1+7 | 0+8 | 2+10 | 1+11 | 2+7 |
| 6+3 | 6+2 | 11+0 | 7+5 | 6+6 | 1+5 | 0+5 | 1+1 | 2+7 | 4+2 |
| 0+6 | 5+1 | 8+2 | 9+3 | 0+9 | 8+3 | 9+3 | 11+1 | 12+1 | 13+0 |
| 4+8 | 6+7 | 9+6 | 6+8 | 4+9 | 7+7 | 7+9 | 8+7 | 8+5 | 9+4 |
| 8+6 | 7+7 | 6+9 | 7+8 | 5+8 | 5+9 | 8+8 | 9+7 | 9+8 | 8+9 |
| 9+9 | 10+5 | 9+5 | 7+6 | 4+6 | 8+1 | 9+3 | 4+2 | 10+0 | 5+6 |
| 11+2 | 2+1 | 4+2 | 1+0 | 1+10 | 6+2 | 4+5 | 6+2 | 2+9 | 7+2 |
| 5+3 | 3+4 | 9+6 | 8+2 | 6+6 | 5+5 | 1+5 | 10+2 | 4+0 | 3+3 |
| 2+6 | 9+2 | 2+3 | 6+1 | 9+0 | 3+2 | 3+9 | 4+8 | 5+4 | 4+4 |
| 6+5 | 4+6 | 5+6 | 2+7 | 7+6 | 6+2 | 4+7 | 6+5 | 8+2 | 2+8 |

| NAME | DATE | CLASS | TIME | COUNT |
|------------|------------|------------|------------|-------------|
| 2-1 — 2-1 | 3-0 — 4-2 | 6-5 — 7-3 | 2-2 — 3-1 | 4-4 — 5-2 |
| 6-3 — 7-4 | 6-4 — 6-5 | 5-4 — 8-3 | 9-2 — 9-3 | 7-2 — 5-3 |
| 4-3 — 4-3 | 6-1 — 3-2 | 9-0 — 7-1 | 4-0 — 3-2 | 3-3 — 5-2 |
| 6-2 — 7-4 | 9-2 — 9-2 | 9-1 — 10-1 | 0-0 — 1-0 | 8-2 — 7-3 |
| 9-3 — 7-5 | 6-5 — 8-4 | 8-1 — 7-0 | 10-2 — 5-5 | 5-4 — 5-3 |
| 3-1 — 4-1 | 6-0 — 4-1 | 4-0 — 7-1 | 8-0 — 10-2 | 11-1 — 7-2 |
| 6-3 — 6-2 | 11-0 — 7-5 | 6-6 — 5-1 | 5-0 — 1-1 | 7-2 — 4-2 |
| 6-0 — 5-1 | 8-2 — 9-3 | 9-0 — 8-3 | 9-3 — 11-1 | 12-1 — 13-0 |
| 8-4 — 7-6 | 9-6 — 8-6 | 9-4 — 7-7 | 9-7 — 8-7 | 8-5 — 9-4 |
| 8-6 — 7-7 | 9-6 — 8-7 | 8-5 — 9-5 | 8-8 — 9-7 | 9-8 — 9-8 |
| 9-9 — 10-5 | 9-5 — 7-6 | 6-4 — 8-1 | 13-9 — 4-2 | 10-0 — 6-5 |
| 11-2 — 2-1 | 4-2 — 1-0 | 10-1 — 6-2 | 5-4 — 6-2 | 9-2 — 7-2 |
| 5-3 — 4-3 | 9-6 — 8-2 | 6-6 — 5-5 | 5-1 — 10-2 | 4-0 — 3-3 |
| 6-2 — 9-2 | 3-2 — 6-1 | 9-0 — 3-2 | 9-3 — 8-4 | 5-4 — 4-4 |
| 6-5 — 6-1 | 6-5 — 7-2 | 7-6 — 6-2 | 7-4 — 6-5 | 8-2 — 8-2 |

| NAME | DATE | CLASS | TIME | COUNT |
|----------|----------|---------|-----------|----------|
| 1x6 3x5 | 2x4 4x6 | 5x6 7x0 | 6x6 8x3 | 9x4 10x4 |
| 3x6 1x10 | 4x5 2x6 | 7x3 5x9 | 8x5 6x4 | 10x3 9x6 |
| 1x8 3x2 | 2x5 4x7 | 5x2 7x2 | 6x5 8x4 | 9x5 10x5 |
| 3x4 1x12 | 4x4 2x2 | 7x4 5x7 | 8x6 6x3 | 10x2 9x2 |
| 1x5 3x3 | 2x3 4x1 | 5x5 7x1 | 6x8 8x6 | 9x3 10x1 |
| 3x1 1x7 | 2x8 4x4 | 7x5 5x7 | 8x5 6x7 | 10x6 9x1 |
| 1x4 3x7 | 4x2 2x1 | 5x3 7x6 | 8x2 6x2 | 9x0 10x0 |
| 3x8 1x3 | 2x7 4x3 | 7x7 5x1 | 6x7 8x0 | 10x7 9x7 |
| 1x9 3x9 | 4x8 2x9 | 5x4 7x8 | 8x1 6x9 | 9x8 10x6 |
| 3x10 1x2 | 2x0 4x10 | 7x9 5x0 | 6x10 8x10 | 10x8 9x9 |

| NAME | DATE | CLASS | TIME | COUNT | | | | | |
|--------------|--------------|-------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|
| $6 \div 1$ | $15 \div 3$ | $8 \div 4$ | $24 \div 6$ | $30 \div 6$ | $7 \div 0$ | $36 \div 6$ | $24 \div 8$ | $36 \div 9$ | $40 \div 5$ |
| $18 \div 3$ | $10 \div 1$ | $20 \div 5$ | $12 \div 6$ | $21 \div 7$ | $45 \div 9$ | $40 \div 8$ | $24 \div 6$ | $30 \div 10$ | $54 \div 9$ |
| $8 \div 8$ | $6 \div 2$ | $10 \div 5$ | $28 \div 4$ | $10 \div 5$ | $14 \div 7$ | $30 \div 5$ | $32 \div 8$ | $45 \div 9$ | $50 \div 10$ |
| $12 \div 4$ | $12 \div 12$ | $16 \div 4$ | $4 \div 1$ | $28 \div 4$ | $35 \div 7$ | $48 \div 6$ | $18 \div 3$ | $20 \div 10$ | $18 \div 9$ |
| $5 \div 5$ | $9 \div 9$ | $6 \div 2$ | $4 \div 2$ | $25 \div 5$ | $7 \div 7$ | $48 \div 8$ | $48 \div 6$ | $27 \div 3$ | $10 \div 10$ |
| $3 \div 3$ | $7 \div 1$ | $16 \div 8$ | $16 \div 4$ | $35 \div 7$ | $35 \div 5$ | $40 \div 8$ | $42 \div 7$ | $60 \div 10$ | $9 \div 9$ |
| $4 \div 1$ | $21 \div 7$ | $8 \div 4$ | $2 \div 0$ | $15 \div 3$ | $42 \div 6$ | $16 \div 8$ | $12 \div 6$ | $9 \div 0$ | $10 \div 1$ |
| $24 \div 8$ | $3 \div 3$ | $14 \div 7$ | $12 \div 6$ | $49 \div 7$ | $5 \div 5$ | $42 \div 6$ | $8 \div 0$ | $70 \div 10$ | $63 \div 7$ |
| $9 \div 3$ | $27 \div 3$ | $32 \div 8$ | $18 \div 3$ | $20 \div 5$ | $56 \div 8$ | $8 \div 8$ | $54 \div 9$ | $72 \div 8$ | $60 \div 6$ |
| $30 \div 10$ | $2 \div 1$ | $2 \div 1$ | $40 \div 10$ | $63 \div 9$ | $5 \div 1$ | $60 \div 6$ | $80 \div 8$ | $80 \div 10$ | $81 \div 9$ |

NAME

DATE

CLASS

TIME

COUNT

| | | | | | | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1×6 | 3×5 | $1 + 2$ | $2 + 1$ | $6 - 5$ | $7 - 3$ | $8 \div 4$ | $24 \div 6$ | $2 + 4$ | $4 + 6$ |
| $15 \div 3$ | $6 \div 1$ | 5×2 | 7×2 | $12 \div 4$ | $12 \div 12$ | 7×3 | 5×9 | $30 \div 6$ | $7 \div 0$ |
| $2 - 1$ | $2 - 1$ | $7 - 2$ | $5 - 3$ | $9 + 6$ | $6 + 8$ | $10 \div 5$ | $14 \div 7$ | 8×5 | 6×4 |
| $0 + 3$ | $2 + 4$ | $30 \div 5$ | $32 \div 8$ | $4 - 0$ | $3 - 2$ | $8 + 2$ | $9 + 3$ | $20 \div 10$ | $18 \div 9$ |
| 5×5 | 7×1 | $28 \div 4$ | $35 \div 7$ | $9 - 1$ | $10 - 1$ | $8 + 2$ | $9 + 3$ | $4 + 8$ | $6 + 7$ |
| 3×4 | 2×6 | $45 \div 9$ | $50 \div 10$ | $6 - 2$ | $7 - 4$ | $0 + 9$ | $8 + 3$ | $3 - 3$ | $5 - 2$ |
| $10 \div 5$ | $28 \div 4$ | 4×2 | 2×1 | $5 - 4$ | $6 - 2$ | $40 \div 8$ | $42 \div 7$ | 8×2 | 6×6 |
| $35 \div 7$ | $35 \div 5$ | $8 - 5$ | $9 - 4$ | 5×3 | 7×2 | $8 + 2$ | $10 + 3$ | $6 \div 3$ | $4 \div 2$ |

Adding, subtracting positive and negative numbers.

NAME DATE CLASS TIME COUNT

| | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|--|
| 2+-5 | 3+-4 | -5+8 | -9+1 | -8+5 | 9+-7 | -5+9 | 3+-2 | -7+1 | |
| -3+5 | -9+6 | 8+-2 | 7+-5 | 7+-6 | -2+9 | 7+-4 | -6+1 | 8+-4 | |
| 8+-7 | 6+-2 | -4+5 | -8+1 | -9+2 | 6+-3 | -6+9 | 3+-7 | -9+5 | |
| 563 | -5+7 | 6+-4 | 7+-2 | 7+-3 | -4+9 | 5+-3 | -5+1 | 5+-6 | |
| -3+1 | 4+-1 | -9+4 | -3+8 | -7+9 | 8+-6 | -9+3 | 2+-5 | -9+8 | |

-6+7 -7+8 8+-9 2+-7 3+-2

NAME

DATE

CLASS

TIME

COUNT

| | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $10 + -2$ | $-12 + 4$ | $40 + -5$ | $-9 + 9$ | $7 + -7$ | $-12 + 3$ | $40 + -8$ | $-63 + 9$ | $45 + 5$ | $-6 + 3$ |
| $-15 + 3$ | $54 + -9$ | $-16 + 8$ | $35 + -7$ | $-24 + 4$ | $42 + -7$ | $-18 + 2$ | $28 + -7$ | $-6 + 6$ | $32 + -8$ |
| $56 + -8$ | $-12 + 6$ | $20 + -4$ | $-8 + 8$ | $20 + -5$ | $-18 + 9$ | $18 + -6$ | $-54 + 6$ | $36 + -4$ | $-15 + 5$ |
| $-21 + 3$ | $45 + -9$ | $-3 + 3$ | $35 + -5$ | $-24 + 6$ | $14 + -7$ | $-8 + 4$ | $21 + -7$ | $-5 + 5$ | $30 + -5$ |
| $2 + -2$ | $-4 + 4$ | $36 + -9$ | $-24 + 3$ | $63 + -7$ | $-24 + 8$ | $48 + -8$ | $-27 + 9$ | $10 + -2$ | $-72 + 9$ |
| $42 + 6$ | $56 + -7$ | $-72 + 8$ | $14 + -2$ | $-30 + 6$ | $6 + -2$ | | | | |

NAME DATE CLASS TIME COUNT

| | | | | | | | | |
|------|------|------|------|------|------|------|------|------|
| 5-2 | 7-1 | 4-3 | -9-3 | 8-5 | -9-6 | 6--4 | -1-0 | 7-5 |
| -9-7 | 8-1 | -3-2 | 7--6 | -5-1 | 2--0 | -9-2 | 7-3 | -2-1 |
| 8--2 | -6-1 | 8--6 | -0-3 | 9--4 | -4-2 | 6--2 | -5-3 | 0--6 |
| -9-5 | 9--0 | -4-1 | 6--5 | -8-0 | 8--3 | -5-4 | 7--4 | -9-1 |
| 3--1 | -9-9 | 8--4 | -0-4 | 9--8 | -7-0 | 4--8 | -6-6 | 4--2 |
| -6-3 | 8-7 | -7-2 | 0--5 | -3-9 | | | | |

COUNT

TIME

CLASS

DATE

NAME

| | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10-5 | -7-7 | 12-4 | -27-9 | 40-8 | -54-9 | 24-6 | -35-7 | 18-6 | -63-9 |
| -8-8 | 6-3 | -42-7 | 5-5 | -18-9 | 21-7 | -2-2 | 56-8 | -16-8 | 6-6 |
| 48-8 | -36-9 | 8-4 | -12-6 | 15-5 | -14-7 | 45-9 | -4-4 | 30-6 | -24-8 |
| 20-5 | 28-7 | -9-9 | 3-3 | -81-9 | 32-8 | -72-9 | 32-4 | -36-6 | 8-4 |
| 27-3 | | | | | | | | | |

Adding, subtracting, multiplying and dividing decimals to 2 places.

NAME

DATE

CLASS

TIME

COUNT

.42

+ .29

.78

+ .62

.29

.48

.84

+ .23

.75

+ .62

.28

+ .14

.72

+ .64

.29

+ .33

.38

+ .24

.43

+ .74

.39

+ .64

.18

+ .74

.23

+ .14

.43

+ .62

.18

+ .73

.28

+ .61

.25

+ .39

.62

+ .84

.55

+ .74

.93

+ .27

.60

.42

.64

.27

.74

.82

.93

.44

.25

+ .27

.24

.62

.84

.26

.73

.14

.14

.73

.29

.14

.62

.24

.74

.14

.22

+ .16

.23

.14

.29

.01

.04

.21

.39

.21

.25

.16

.16

.34

.74

.21

.22

+ .40

.94

.16

.14

.32

.28

.22

.43

.22

.74

.42

.22

.46

.92

.17

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------|-------------------|-------------------|-------------------|-------------------|
| 3.9 +2.5 | 7.4 5.5 | 2.7 9.3 | 4.2 6.0 | 2.7 6.4 |
| 4.4 9.3 | | | | 8.2 7.4 |
| 6.1 +2.8 | 4.3 6.2 | 1.4 2.3 | 7.4 1.8 | 6.4 3.9 |
| 2.4 3.8 | | | | 7.4 4.3 |
| 3.3 +2.9 | 1.4 2.8 | 6.2 7.5 | 2.3 8.4 | 4.8 8.9 |
| 2.9 4.2 | | | | 6.2 7.8 |
| 4.1 +2.2 | 2.4 3.2 | 2.2 3.3 | 4.3 2.2 | 2.3 4.2 |
| 5.69 | 1.4 | 2.6 | 7.4 | 2.1 |
| 4.7 1.6 9.4 | 2.4 3.2 | 2.2 3.3 | 4.3 2.2 | 4.6 2.2 |
| 1.6 2.2 +7.0 | 4.2 0.1 2.9 | 2.4 6.4 0.4 | 2.1 7.4 3.9 | 3.4 2.2 1.6 |
| 3.9 2.1 7.4 | | | | |
| 1.4 2.7 +2.5 | 1.4 2.6 | 7.3 1.4 2.9 | 1.4 7.3 2.9 | 1.8 6.4 2.4 |
| 1.4 2.1 2.4 | | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|--------------|--------------|--------------|--------------|--------------|
| .74 - .56 | .82 - .14 | .76 - .40 | .76 - .29 | .85 - .43 |
| .38 - .26 | .74 - .55 | .29 - .14 | .24 - .12 | .98 - .69 |
| .89 - .26 | .78 - .59 | .66 - .27 | .42 - .33 | .79 - .14 |
| .67 - .29 | .42 - .27 | .61 - .42 | .23 - .14 | .40 - .16 |
| .30 - .09 | .84 - .02 | .20 - .16 | .70 - .07 | .43 - .15 |
| | | | | |
| | | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|--|---|---|---|---|
| $\begin{array}{r} 3.0 \\ -0.9 \\ \hline \end{array}$ | $\begin{array}{r} 8.4 \\ 0.2 \\ \hline \end{array}$ | $\begin{array}{r} 2.3 \\ 1.4 \\ \hline \end{array}$ | $\begin{array}{r} 6.1 \\ 4.2 \\ \hline \end{array}$ | $\begin{array}{r} 4.3 \\ 1.5 \\ \hline \end{array}$ |
| $\begin{array}{r} 2.9 \\ -2.9 \\ \hline \end{array}$ | $\begin{array}{r} 4.0 \\ 1.6 \\ \hline \end{array}$ | $\begin{array}{r} 2.0 \\ 1.6 \\ \hline \end{array}$ | $\begin{array}{r} 7.0 \\ 0.7 \\ \hline \end{array}$ | $\begin{array}{r} 4.2 \\ 2.7 \\ \hline \end{array}$ |
| $\begin{array}{r} 4.4 \\ -3.9 \\ \hline \end{array}$ | $\begin{array}{r} 7.9 \\ 1.4 \\ \hline \end{array}$ | $\begin{array}{r} 4.2 \\ 3.3 \\ \hline \end{array}$ | $\begin{array}{r} 6.6 \\ 2.7 \\ \hline \end{array}$ | $\begin{array}{r} 7.8 \\ 5.9 \\ \hline \end{array}$ |
| $\begin{array}{r} 3.8 \\ -2.6 \\ \hline \end{array}$ | $\begin{array}{r} 7.4 \\ 1.6 \\ \hline \end{array}$ | $\begin{array}{r} 2.9 \\ 1.4 \\ \hline \end{array}$ | $\begin{array}{r} 7.4 \\ 5.5 \\ \hline \end{array}$ | $\begin{array}{r} 9.8 \\ 6.9 \\ \hline \end{array}$ |
| $\begin{array}{r} 7.6 \\ -2.9 \\ \hline \end{array}$ | $\begin{array}{r} 8.5 \\ 4.3 \\ \hline \end{array}$ | $\begin{array}{r} 7.6 \\ 2.9 \\ \hline \end{array}$ | $\begin{array}{r} 7.6 \\ 4.0 \\ \hline \end{array}$ | $\begin{array}{r} 8.2 \\ 1.4 \\ \hline \end{array}$ |

NAME

DATE

CLASS

TIME

COUNT

$$\begin{array}{r} .82 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} .66 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} .73 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} .74 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} .93 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} .74 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} .91 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} .76 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} .75 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} .63 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} .89 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} .74 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} .82 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} .85 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} .72 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} .86 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} .79 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} .84 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} .66 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} .94 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} .68 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} .90 \\ 5 \\ \hline \end{array}$$

NAME

DATE

CLASS

TIME

COUNT

$$\begin{array}{r} 7.9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6.6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9.4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6.8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9.0 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2.4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8.6 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7.2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8.5 \\ \times 8 \\ \hline \end{array}$$

573

$$\begin{array}{r} 8.2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7.4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8.9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6.3 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7.5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7.4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9.3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7.4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9.1 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7.6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7.3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6.6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8.4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8.2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2.9 \\ \times 6 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|------------|------------|----------|----------|----------|
| 7.4 x 6 | 9.3 x 8 | 74 .6 | 91 .6 | 84 .5 |
| 2.9 x 6 | 82 .7 | 84 .7 | 66 .4 | 73 .5 |
| 574 x 8 | 72 .7 | 84 .6 | 86 .3 | 84 .5 |
| 90 x 5 | 68 .7 | 94 .7 | 66 .3 | 79 .8 |
| 7.5 x 8 | 84 .7 | 63 .2 | 89 .8 | 82 .5 |

44

NAME

DATE

CLASS

TIME

COUNT

8.2
x.5

7.4
1.6

8.9
.8

6.3
.2

8.4
1.7

7.5
.8

7.9
x.8

8.4
1.7

6.6
.3

9.4
.7

6.8
.7

9.0
.5

8.4
x.5

1.84
1.6

8.6
3

1.84
.6

7.2
.7

.85
.8

575
7.3

1.84
1.7

6.6
4

.84
7

8.2
.7

2.9
.6

7.4
x.6

9.3
1.8

.74
.6

.91
.6

8.4
.5

7.6
.6

| NAME | DATE | CLASS | TIME | COUNT |
|-------|-------|-------|-------|-------------|
| 91.45 | 71.63 | 81.40 | 71.49 | 91.27 61.36 |
| 91.63 | 61.48 | 51.40 | 71.28 | 61.24 91.81 |
| 57.7 | 61.54 | 91.72 | 21.35 | 31.69 41.84 |
| 51.60 | 71.42 | 61.72 | 81.96 | 71.49 61.30 |
| 31.18 | 71.42 | 41.28 | 31.72 | 91.63 71.56 |

| NAME | DATE | CLASS | TIME | COUNT |
|--------|-------|-------|-------|-------|
| 51 6.0 | 714.2 | 617.2 | 819.6 | 714.9 |
| | | | | 613.0 |
| 71 7. | 613.4 | 917.2 | 513.5 | 316.9 |
| | | | | 418.4 |
| 91 8.1 | 612.4 | 712.8 | 514.0 | 614.8 |
| | | | | 916.3 |
| 91 4.5 | 613.6 | 912.7 | 714.9 | 814.0 |
| | | | | 716.3 |
| 71 5.6 | 913.6 | 317.2 | 412.8 | 714.2 |
| | | | | 311.8 |

| NAME | DATE | CLASS | TIME | COUNT |
|-------|-------|-------|-------|-------|
| 918.1 | 612.4 | 7128 | 5140. | 614.8 |
| 918.1 | 612.4 | 7128 | 5140. | 614.8 |
| 717 | 615.4 | 917.2 | 5135 | 3169 |
| 5160 | 7142. | 6122 | 8196 | 714.9 |
| 715.6 | 9136 | 3172. | 412.8 | 714.2 |
| 9145 | 6136. | 912.7 | 7149 | 814.0 |
| | | | | 7163 |

Recognizing a penny, nickel, dime.

Matching coins with a numerical value, word "cent" used.

NAME

DATE

CLASS

TIME

COUNT

| | | | | | |
|--------|----|--|---------|---|----------|
| 1 cent | | | 5 cents | | 10 cents |
| | | | | | |
| | | | | | |
| 5 | 5 | | | 1 | |
| | | | | | |
| 581 | 10 | | | 5 | |
| | | | | | |
| | | | | | |
| 10 | 1 | | | 5 | |
| | | | | | |
| 10 | 1 | | | 5 | |
| | | | | | |

Ability to recognize a quarter.

Finding values, pennies and nickels, using ¢ sign. Sums to 12¢.

NAME _____

DATE _____

CLASS

TIME

COUNT

| | | | | | |
|--|---|--|--|---|-----------------------------|
| $\begin{array}{c} \textcircled{5} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{5} \\ \underline{10} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{14} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{12} \end{array}$ | $=$ | $\underline{}^4$ |
| $\begin{array}{c} \textcircled{5} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $=$ |
| $\begin{array}{c} \textcircled{5} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{5} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $=$ |
| $\begin{array}{c} \textcircled{5} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $=$ |
| $\begin{array}{c} \textcircled{10} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $\begin{array}{c} \textcircled{} \\ \underline{5} \end{array}$ | $=$ |

[illegible]

Matching a quarter with its numerical value or with the value in other coins.

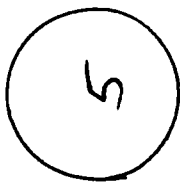
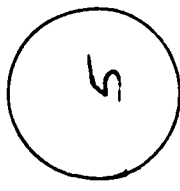
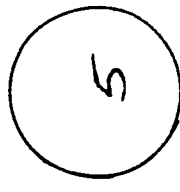
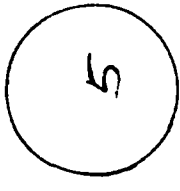
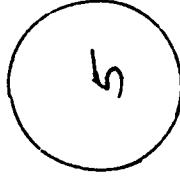
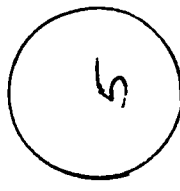
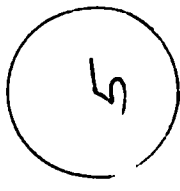
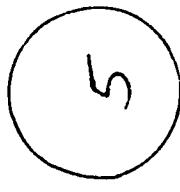




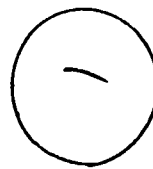


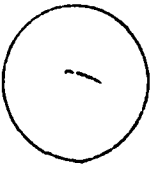
| NAME | DATE | CLASS | TIME | COUNT |
|------|--|-------|-------------|-----------|
| 25 | Color all boxes that equal a quarter red | 25¢ | 10 | 10 5 = ¢ |
| 5 | 5 10 = ¢ | ¢ | 5 | 5 5 5 = ¢ |
| 10 | 1 1 1 1 = ¢ | | | |
| 587 | 10 10 10 = ¢ | ¢ | 10 | 5 5 5 = ¢ |
| 25 | = ¢ | ¢ | 1 1 1 1 = ¢ | |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Cut and paste
in this box 3 coins
that equal a quarter

Cut and paste
in this box 5 coins
that equal a quarter

Cut and paste
in this box 7 coins
that equal a quarter

| | | | | | | | |
|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Finding the value of pennies, nickels, dimes and quarters. Finding equivalent coin combinations, limit 99¢.

COUNT

TIME

CLASS

DATE

NAME

Find total value in each box

| | | | | |
|-----|-----|-----|---|--------|
| (5) | (5) | (5) | = | _____¢ |
|-----|-----|-----|---|--------|

| | | | | | | |
|------|------|-----|-----|-----|---|--------|
| (10) | (10) | (5) | (5) | (1) | = | _____¢ |
|------|------|-----|-----|-----|---|--------|

| | | | | | | |
|------|------|-----|-----|-----|---|--------|
| (25) | (10) | (5) | (1) | (1) | = | _____¢ |
|------|------|-----|-----|-----|---|--------|

| | | | | | |
|------|------|------|-----|---|--------|
| (25) | (25) | (10) | (5) | = | _____¢ |
|------|------|------|-----|---|--------|

NAME

DATE

CLASS

TIME

COUNT

Cut out and paste
in order - biggest to
smallest and find
total value

5

10 5 5 25 1

5

1 1 1 25 5

5

25 10 5 10 1

5

NAME

DATE

CLASS

TIME

COUNT

Match Totals in first box with Totals in second box.

| | | |
|----|--------------------------------|------------------------------|
| a. | 1 nickel 3 dimes = 35¢ | 1 quarter 3 dimes 3 pennies |
| b. | 2 dimes 1 nickel 1 penny = 26¢ | c. 3 nickels 1 penny = 16¢ |
| c. | 1 dime 6 pennies = 16¢ | 2 quarters 2 nickels = |
| d. | 1 quarter 2 dimes 4 pennies | 3 quarters = |
| e. | 3 quarters 1 nickel | 3 quarters 2 dimes 4 pennies |
| f. | 2 quarters 2 dimes 1 nickel | a. 7 nickels = 35¢ |
| g. | 7 pennies 1 quarter | 4 nickels = |
| h. | 9 dimes 1 nickel 9 pennies | b. 4 nickels 6 pennies = 26¢ |
| i. | 1 quarter 3 dimes 1 nickel | 5 nickels 7 pennies = |
| j. | 75 pennies 1 dime 1 nickel | 3 dimes 2 nickels 9 pennies |
| k. | 3 dimes 1 quarter 3 pennies | 9 dimes |
| l. | 20 pennies | 8 dimes |

Identifying coins using pennies, nickles, dimes and/or quarters. Total a collection of coins and indicate if they are enough to buy an article. Limit 99¢.

NAME

DATE

CLASS

TIME

COUNT

254

2

10

1

5

0

1

554

25

5

754

25

10

5

824

25

10

5

1

174

25

10

5

1

COUNT

TIME

CLASS

DATE

NAME

| | | | |
|----|----|---|---|
| 25 | 10 | 5 | 1 |
| 25 | 10 | 5 | 1 |
| 25 | 10 | 5 | 1 |
| 25 | 10 | 5 | 1 |
| 25 | 10 | 5 | 1 |

874

324

194

294

994

COUNT

TIME

CLASS

DATE

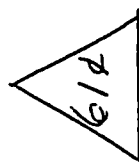
NAME



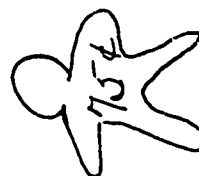
3 quarters
5 dimes
2 dimes
3 pennies



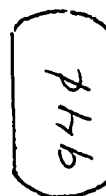
1 quarter
2 quarters
2 pennies
5 nickles



2 quarters
1 dime
1 penny
6 dimes



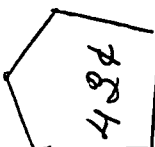
1 quarter
5 dimes
5 pennies
15 nickles



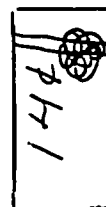
3 quarters
3 dimes
1 dime
9 pennies



20 pennies
2 dimes
2 nickles
10 pennies



25 pennies
1 quarter
1 dime
8 pennies



2 nickles
1 dime
3 nickles
4 pennies



7 dimes
7 pennies
1 nickle
2 pennies

537

Using decimal point and \$ in writing money values, for \$.10, \$.25, \$1.00 and \$1.50 only.

| NAME | DATE | CLASS | TIME | COUNT |
|------------------------|--------|-------|----------------------------|-------|
| 1 dollar | \$1.00 | | 100 cents | |
| 10 cents | | | 1 dollar and 1 half dollar | |
| 25 cents | | | 10 cents | |
| 1 dollar and 50 cents. | | | 150 cents | |
| 10 cents | | | 25 cents | |
| 1 dollar | | | 1 dollar and 50 cents. | |
| 1 dollar and 50 cents. | | | 10 cents | |
| 10 cents | | | 1 dime | |
| 25 cents | | | 100 cents | |
| 1 quarter | | | 150 cents | |

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| 50 | 25 | 1.00 | 1.00 | 10 |
| 504 | | | | |
| 100 | 50 | 1.00 | | 5 |
| | 25 | 1.00 | | 5 |
| 600 | 50 | 1.00 | | 1.00 |
| 1.00 | 50 | | 10 | |
| | 1.00 | | 25 | 5 |
| 50 | | | | |

Identifying 1/2 dollar, dollar, finding value, using dollar sign.

COUNT

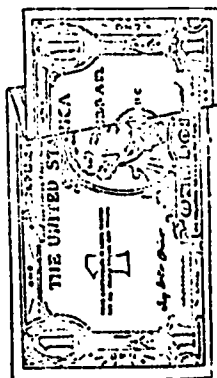
TIME

CLASS

DATE

NAME

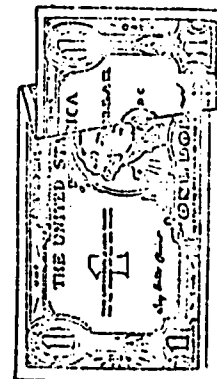
dollar
\$1.00



half dollar
\$.50



fill in



NAME DATE CLASS TIME COUNT

Circle all values that equal a half dollar in the first box and a dollar in the second box.

\$.50
\$1.22

\$5.00 \$1.10 \$.50

\$.50

\$.75

\$1.50

\$.60

\$.25

\$.53

\$1.00

\$1.50

\$.50

\$.50

\$1.00

\$11.00 \$6.00 \$5.00

\$7.00

\$11.00

\$1.00

\$.01

\$.10

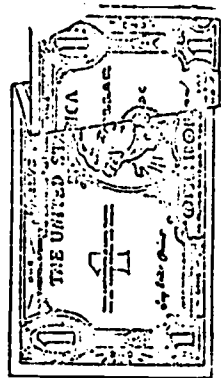
\$5.00

\$1.00

\$.50

\$5.00

\$100.00



Adding subtracting money value. Horizontal/vertical. 2 addends. Sums to \$1.00

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

ADD AND SUBTRACT. WATCH YOUR SIGNS. SEE IF YOU CAN DRAW A LIGHT STRAIGHT LINE THROUGH EACH LINE OF NUMBERS AND DECIMAL POINTS. NO BORROWING OR CARRYING.

$$\begin{array}{r}
 \$.73 \\
 + .10 \\
 \hline
 \$.83
 \end{array}
 \qquad
 \begin{array}{r}
 \$.23 \\
 + .15 \\
 + .02 \\
 \hline
 \$.40
 \end{array}
 \qquad
 \begin{array}{r}
 \$.51 \\
 .04 \\
 + .13 \\
 \hline
 \$.68
 \end{array}
 \qquad
 \begin{array}{r}
 \$.75 \\
 - .24 \\
 \hline
 \$.51
 \end{array}
 \qquad
 \begin{array}{r}
 \$.89 \\
 - .82 \\
 \hline
 \$.07
 \end{array}$$

$$\begin{array}{r}
 \$.95 \\
 - .52 \\
 \hline
 \$.43
 \end{array}
 \qquad
 \begin{array}{r}
 \$.02 \\
 + .31 \\
 \hline
 \$.33
 \end{array}
 \qquad
 \begin{array}{r}
 \$.03 \\
 + .05 \\
 \hline
 \$.08
 \end{array}
 \qquad
 \begin{array}{r}
 \$.99 \\
 + .27 \\
 \hline
 \$ 1.26
 \end{array}
 \qquad
 \begin{array}{r}
 \$ 1.53 \\
 - 1.02 \\
 \hline
 \$.51
 \end{array}$$

$$\begin{array}{r}
 \$.31 \\
 + .21 \\
 \hline
 \$.52
 \end{array}
 \qquad
 \begin{array}{r}
 \$.37 \\
 - .27 \\
 \hline
 \$.10
 \end{array}
 \qquad
 \begin{array}{r}
 \$.93 \\
 + .02 \\
 \hline
 \$.95
 \end{array}
 \qquad
 \begin{array}{r}
 \$ 1.53 \\
 - .21 \\
 \hline
 \$ 1.32
 \end{array}
 \qquad
 \begin{array}{r}
 \$.31 \\
 + .01 \\
 \hline
 \$.32
 \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|---|------|-------|------|-------|
| COPY HORIZONTALLY ON ANOTHER PAPER AND ADD OR SUBTRACT. BE SURE YOUR NUMBERS AND DECIMAL POINTS ARE IN A STRAIGHT LINE. BORROWING AND CARRYING. | | | | |

$$\$.99 - .09 = \$ 1.00 - .50 \quad \$.25 + .25 \quad \$.75 + .25 \quad \$.25 - .17$$

$$\$ 1.00 - .98 \quad \$.78 + .22 \quad \$.33 + .67 \quad \$ 1.00 - .05 \quad \$ 1.00 - .17$$

606

$$\$.99 - .97 \quad \$.10 + .90 \quad \$.45 - .40 \quad \$.20 - .20 \quad \$ 1.00 - .69$$

$$\$.48 + .42 \quad \$.98 + .02 \quad \$ 1.00 - .67 \quad \$.43 + .29 \quad \$.15 + .75$$

$$\$ 1.00 - .66 \quad \$ 1.00 - .70 \quad \$.10 + .25 \quad \$.05 + .50 \quad \$ 1.00 + .00$$

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
|------|------|-------|------|-------|

$$\begin{array}{r}
 \text{Do:} \\
 \$.31 \\
 + .14 \\
 \hline
 .45 \\
 \$.31 + .14 = \\
 \$ 1.00 + .93 =
 \end{array}$$

607

$$\begin{array}{r}
 \$.94 - .50 = \\
 \$.75 - .25 = \\
 \$.33 - .12 =
 \end{array}$$

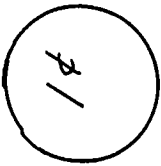
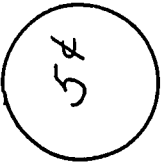
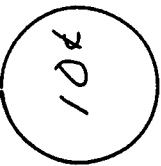

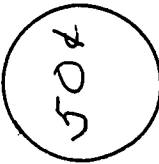
$$\begin{array}{r}
 \$.95 + 1.00 = \\
 \$.45 - .25 = \\
 \$.33 - .11 =
 \end{array}$$

$$\begin{array}{r}
 \$ 1.00 - 1.00 = \\
 \$.87 - .77 = \\
 \$.25 + .74 =
 \end{array}$$

Totaling coins, bills, greater, less or equal.

NAME _____

DATE _____ CLASS _____ TIME _____ COUNT _____

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| pennies | nickles | dimes | quarters | half dollars |

put >, <, or = in the space



1 half dollar 7 dimes = 1 20¢ (>) 7 dimes 5 nickles = 95¢

3 quarters 2 dimes = 95¢ () 2 quarters 3 dimes = _____

3 dimes 7 nickles = 65¢ () 3 dimes 5 nickles = _____

2 quarters = 50¢ () 1 quarter 2 dimes 1 nickle = _____

7 dimes 3 pennies = 73¢ () 2 quarters 2 nickles 13 pennies = _____

6 dimes 5 nickles = 85¢ () 60 pennies = _____

3 dimes 4 nickles = 50¢ () 1 quarter 3 dimes = _____

1 quarter 5 dimes = 75¢ () 1 quarter 10 nickles = _____

[illegible]

NAME

DATE

CLASS

TIME

COUNT

1

pennies

5

nickles

10

dimes

25

quarters

50

half dollars

put $>$ $<$ or $=$ in the space ()

2 pennies 5 dimes 2 quarters () 25 pennies 1 dime 1 quarter

1 half dollar 3 dimes 6 pennies () 4 quarters 3 dimes 7 pennies

1 half dollar 2 quarters () 5 dimes 10 nickles

7 dimes 4 nickles 3 pennies () 5 nickles 3 dimes 1 half dollar

1 quarter 5 dimes 2 nickles () 50 pennies

3 nickles 1 dime 3 quarters () 5 dimes 25 pennies 4 nickles

17 pennies 2 dimes 1 half dollar () 4 quarters

6 dimes 2 nickles 5 pennies () 75 pennies

Writing money values using signs.

| NAME | DATE | CLASS | TIME | COUNT |
|-----------|------|-------|-----------|-------|
| 10 cents | | 10¢ | 11 cents | |
| 19 cents | | | 42 cents | |
| 150 cents | | 150¢ | 2 cents | |
| 5 cents | | 5¢ | 105 cents | |
| 10 cents | | | 19 cents | |
| 669 cents | | | 17 cents | |
| 25 cents | | | 15 cents | |
| 49 cents | | | 99 cents | |
| 20 cents | | | 25 cents | |
| 16 cents | | | 78 cents | |
| 98 cents | | | 50 cents | |
| 89 cents | | | 25 cents | |
| 4 cents | | | 3 cents | |

| NAME | DATE | CLASS | TIME | COUNT |
|----------|------|-------|----------|--------|
| 50 cents | | 0 .50 | 89 cents | |
| 45 cents | | | 57 cents | |
| 10 cents | | | 5 cents | 0 .05- |
| 17 cents | | | 6 cents | |
| 18 cents | | | 18 cents | |
| 14 cents | | | 1 cent | |
| 28 cents | | | 72 cents | |
| 19 cents | | | 7 cents | |
| 78 cents | | | 19 cents | |
| 89 cents | | | 53 cents | |
| 50 cents | | | 98 cents | |
| 89 cents | | | 13 cents | |
| 13 cents | | | 72 cents | |

| NAME | DATE | CLASS | TIME | COUNT |
|------------------------|---------|-------|------|-------------------------|
| 1 dollar and 5 cents | \$ 1.05 | | | 3 dollars and 30 cents |
| Twenty five cents | \$.25 | | | 17 dollars |
| 3 dollars and 20 cents | | | | 9 dollars and 78 cents |
| 19 cents | | | | 6 dollars |
| 2 dollars and 73 cents | | | | 1 dollar and 10 cents |
| 89 cents | | | | 75 cents |
| 61 50 cents | | | | 98 cents |
| 9 dollars and 15 cents | | | | 2 dollars and 15 cents |
| 25 cents | | | | 78 cents |
| 6 dollars | | | | 5 dollars and 8 cents |
| 10 dollars and 2 cents | | | | 9 dollars and 10 cents |
| 1 dollar | | | | 10 dollars and 17 cents |
| 28 cents | | | | 20 dollars |

Identifying change in coins.

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
| | | | | |

IF YOU PAID A DOLLAR FOR EACH PACKAGE, HOW MUCH CHANGE WOULD YOU GET BACK?

| | | | | | |
|---------------|-----------|---------------|-----------|---------------|-----------|
| $\boxed{98¢}$ | $\$ 1.00$ | $\boxed{75¢}$ | $\$ 1.00$ | $\boxed{35¢}$ | $\$ 1.00$ |
| $-.98$ | | $-.75$ | | | |
| $.12$ | | $.25$ | | | |

$\$.12$ change $\$.25$ change $\$$ _____ change

617

| | | | | | |
|---------------|-------------------|---------------|-------------------|---------------|-------------------|
| $\boxed{15¢}$ | $\$$ _____ change | $\boxed{13¢}$ | $\$$ _____ change | $\boxed{80¢}$ | $\$$ _____ change |
| $\boxed{20¢}$ | $\$$ _____ change | $\boxed{46¢}$ | $\$$ _____ change | $\boxed{78¢}$ | $\$$ _____ change |
| $\boxed{18¢}$ | $\$$ _____ change | $\boxed{93¢}$ | $\$$ _____ change | $\boxed{20¢}$ | $\$$ _____ change |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

WHAT IS THE LEAST NUMBER OF COINS YOU CAN HAVE IF YOU HAD \$1.00 AND YOU SPENT ...

| you spent | your change | half dollars | quarters | dimes | nickles | pennies |
|---------------------------|-------------|--------------|----------|-------|---------|---------|
| 66¢ \$1.00 - .66 44 | \$.44 | 0 | 1 | 1 | 1 | 4 |
| 10¢ \$1.00 - .10 90 | \$.90 | | | | | |
| 13¢ \$1.00 - 87 | | | | | | |
| 88¢ \$1.00 - 12 | | | | | | |
| 57¢ \$1.00 - 43 | | | | | | |
| 29¢ \$1.00 - 71 | | | | | | |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

WHAT IS THE LEAST NUMBER OF COINS YOU WOULD GET FOR CHANGE IF YOU HAD THE AMOUNT IN THE FIRST BOX AND SPENT THE AMOUNT IN THE SECOND BOX?

| You had | You spent | Your change |
|--|--|------------------------------|
| \$.90 | $\begin{array}{r} \$.90 \\ - .20 \\ \hline .70 \end{array}$ | \$.70 1 half dollar 2 dimes |
| $\begin{array}{r} \$.75 \\ 619 \end{array}$ | $\begin{array}{r} \$.75 \\ - .13 \\ \hline .62 \end{array}$ | \$.62 |
| \$.50 | \$.25 | |
| \$.45 | \$.15 | |
| \$.99 | \$.72 | |

NAME

DATE

CLASS

TIME

COUNT

WHAT IS THE LEAST NUMBER OF COINS YOU WOULD GET FOR CHANGE IF YOU HAD THE AMOUNT IN THE FIRST BOX AND SPENT THE AMOUNT IN THE SECOND BOX?

| you had | you spent | your change | |
|---------|-------------------------------------|-------------|---------|
| \$.25 | \$.05 \$.25 ----- \$.20 | \$.20 | 2 dimes |
| \$.43 | \$.50 | | |
| \$.17 | \$.03 | | |
| \$.62 | \$.50 | | |
| \$.83 | \$.12 | | |

Solving one-step word problems.

| NAME | DATE | CLASS | TIME | COUNT |
|--|------|-------|------|--|
| READ THE PROBLEM ONCE. READ IT AGAIN AND MAKE A PICTURE OF WHAT HAPPENED. WRITE DOWN THE NUMBERS. SOLVE THE PROBLEM. | | | | |
| A MAN HAD \$3.00. HE BOUGHT A SHIRT FOR \$1.50. HOW MUCH CHANGE DID HE GET? | | | | Man \$3.00 Shirt 1.50 <u> </u> Change \$1.50 |
| A GIRL HAD \$1.00. HER MOTHER GAVE HER \$.25. HOW MUCH MONEY DOES SHE HAVE? | | | | |
| SAM EARNED \$5.00. HE BOUGHT A BIKE TIRE FOR \$2.98. HOW MUCH CHANGE DID SAM GET? | | | | |
| JOE HAD \$.25. BILL HAD \$.10. HOW MUCH MORE MONEY DID BILL HAVE THAN JOE? | | | | |
| TIM WENT TO THE FAIR WITH \$4.00. HE CAME HOME WITH \$.25. HOW MUCH MONEY DID TIM SPEND? | | | | |
| JACK FOUND \$.10. HE BOUGHT SOME GUM FOR \$.03. HOW MUCH CHANGE DID JACK GET? | | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|---|------|-------|------|--|
| A MAN HAS \$10.00. HIS WIFE HAS \$3.00. HOW MUCH MONEY DO THEY HAVE TOGETHER? | | | | Man \$10.00 Wife \$3.00 <u> </u> \$13.00 |
| JIM HAD \$.75. HE GAVE TOM \$.60. HOW MUCH MONEY DOES JIM HAVE LEFT? | | | | |
| A BIKE COSTS \$10.00. A HORN COSTS \$3.00. HOW MUCH WOULD IT COST TO BUY THE BIKE AND THE HORN? | | | | |
| A BOY HAD \$1.00. HE BOUGHT A BOOK FOR \$.25. HOW MUCH MONEY DOES THE BOY HAVE LEFT? | | | | |
| A DOG COST \$5.00. HIS LICENSE COSTS \$2.50. HOW MUCH WOULD IT COST TO BUY THE DOG AND THE LICENSE? | | | | |
| BUD HAD \$.85. HE LOST \$.50. HOW MUCH MONEY DOES POOR BUD HAVE LEFT? | | | | |
| | | | | |

Identifying change in coins with purchase amounts up to \$10.00.

NAME DATE CLASS TIME COUNT

WHAT IS THE CHANGE YOU WOULD GET FOR EACH PROBLEM? WRITE THE LEAST NUMBER OF COINS OR BILLS YOU WOULD GET FOR CHANGE.

| Cost | paid | your change | pennies | nickles | dimes | quarters | half dollars | one dollars | five dollars |
|---------------|---------|------------------------------|---------|---------|-------|----------|--------------|-------------|--------------|
| 625 \$3.50 | \$10.00 | \$10.00 - 3.50 \$ 6.50 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| \$.75 | \$5.00 | \$5.00 - .75 \$ 4.25 | | | | | | | |
| \$9.45 | \$10.00 | | | | | | | | |
| \$2.50 | \$3.00 | | | | | | | | |
| \$7.10 | \$8.00 | | | | | | | | |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

LOOK THROUGH A CATALOGUE FOR THINGS YOU WOULD LIKE TO BUY THAT COST LESS THAN \$10.00 OR MAKE UP PRICES LESS THAN \$10.00 AND FILL IN THE COST COLUMN. FIGURE OUT YOUR CHANGE USING THE LEAST AMOUNT OF COINS AND BILLS.

| cost | paid | your change | pennies | nickles | dimes | quarters | half dollars | one dollars | five dollars |
|--------|---------|-----------------------------|---------|---------|-------|----------|--------------|-------------|--------------|
| \$2.50 | \$10.00 | \$10.00 -2.50 \$ 8.50 | 0 | 0 | 0 | 0 | 1 | 3 | 1 |
| 626 | \$10.00 | | | | | | | | |
| | \$10.00 | | | | | | | | |
| | \$10.00 | | | | | | | | |
| | \$10.00 | | | | | | | | |
| | \$10.00 | | | | | | | | |

WHAT IS THE CHANGE YOU WOULD GET FOR EACH PROBLEM? WRITE THE LEAST NUMBER OF COINS OR BILLS YOU WOULD GET FOR EACH PROBLEM. (Teacher fills in cost and paid columns).

[illegible]

Adding-subtracting money values, using cent and decimal notation.

NAME DATE CLASS TIME COUNT

24 64 134 74 44 24 144
 + 44 -44 -64 +64 +24 44 74 144
 64 -74

154 14 74 64 44 04 74 114 44
 -64 -04 +84 -14 +34 -84 +74 -54 +94

629

24 14 54 104 64 54 134 84 144
 +24 +54 +84 -94 +34 -44 -84 +64 -54

164 134 44 44 54 34 114 84 94
 -84 -54 +54 +84 +34 +64 -94 +74 -24

84 24 114 24 164 54 154 94 184
 +84 +94 -74 +64 -94 -64 -74 +84 -94

NAME DATE CLASS TIME COUNT

$\$3.35$
 $\$5.40$
 $\$17.25$
 $\$4.20$
 $\$8.35$
 $\$4.10$
 $\$3.37$
 $\$4.63$
 $\$6.25$
 $\$2.45$
 $\$2.10$
 $\$2.14$
 $\$14.27$
 $\$4.24$
 9.60

$\$3.86$
 $\$9.64$
 $\$9.98$
 $\$4.37$
 $\$7.35$
 $\$9.14$
 $\$4.35$
 $\$7.23$
 $\$2.72$
 $\$2.21$
 $\$2.41$
 $\$1.25$
 $\$2.25$
 $\$8.10$
 $\$3.24$
 $\$1.42$

$\$5.75$
 $\$3.98$
 $\$9.98$
 $\$4.17$
 $\$7.23$
 $\$9.74$
 $\$2.16$
 $\$5.94$
 $\$2.25$
 $\$4.98$
 $\$2.42$
 $\$3.24$
 $\$1.43$
 $\$1.02$
 $\$2.42$

$\$7.25$
 $\$3.43$
 $\$4.34$
 $\$1.97$
 $\$2.15$
 $\$7.34$
 $\$1.23$
 $\$4.34$
 $\$1.34$
 $\$2.12$
 $\$3.12$
 $\$1.42$
 $\$2.12$
 $\$2.21$
 $\$3.12$

Totaling and purchasing amounts less than \$10.00. Indicating change. Counting out change starting with the total value of the purchase.

COUNT

TIME

CLASS

DATE

NAME

| | | | | |
|--------------|--------------|------------|--------------|----------|
| Milk 10¢ | Sandwich 15¢ | Pop 20¢ | Salad 9¢ | Cake 13¢ |
| Apple 6¢ | Soup 7¢ | Bread 5¢ | Doughnuts 6¢ | Pie 14¢ |
| Sandwich 15¢ | Soup — | Salad — | Cake — | — |
| Pop 20¢ | Milk — | Milk — | Pop — | — |
| \$.35 | Apple — | Doughnut — | \$ — | — |
| 632 | \$ — | \$ — | | |
| Pop — | Milk — | Sandwich — | Milk — | — |
| Soup — | Sandwich — | Salad — | Doughnut — | — |
| Salad — | Pie — | Milk — | | |
| Bread — | \$ — | Cake — | | |
| \$ — | | \$ — | | \$ — |

COUNT

TIME

CLASS

DATE

| | | | | | | | |
|----------|--------|----------|--------|----------|---------|----------|---------|
| Pups | \$2.50 | Guppies | \$.50 | Rats | \$.85 | Snakes | \$4.17 |
| Cats | \$1.75 | Turtles | \$1.10 | Goldfish | \$.17 | Ant farm | \$3.15 |
| Turtle | \$1.10 | Guppie | — | Snake | — | Ant farm | — |
| Rat | .85 | Goldfish | — | Pup | — | Goldfish | — |
| Goldfish | .17 | Total | — | Total | — | Total | — |
| Total | \$2.02 | You paid | \$5.00 | You paid | \$10.00 | You paid | \$5.00 |
| You paid | \$3.00 | Change | — | Change | — | Change | — |
| Change | — | Change | — | Change | — | Change | — |
| Cat | — | Guppie | — | Rat | — | Pup | — |
| Turtle | — | Guppie | — | Pup | — | Turtle | — |
| Total | — | Guppie | — | Total | — | Ant farm | — |
| You paid | \$2.90 | Total | — | You Paid | \$3.35 | Total | — |
| Change | — | You Paid | 1.00 | Change | — | You paid | \$10.00 |
| Change | — | Change | — | Change | — | Change | — |

| NAME | DATE | CLASS | TIME | COUNT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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COUNT

TIME

CLASS

DATE

NAME

FIND YOUR CHANGE. COUNT OUT THE CHANGE STARTING WITH THE TOTAL VALUE OF YOUR PURCHASE.

| <i>You had</i> | <i>You Spent</i> | <i>Count the change Starting with purchase</i> | <i>Pennies</i> | <i>Nickles</i> | <i>Dimes</i> | <i>Quarters</i> | <i>half dollars</i> | <i>dollars</i> |
|----------------|---------------------------------------|--|----------------|----------------|--------------|-----------------|---------------------|----------------|
| \$8.00 | \$3.07 2.06 <u>1.03</u> 6.16 | \$6.16 | \$6.20 | \$6.25 | | \$6.50 | \$7.00 | \$8.00 |
| \$7.00 | \$1.98 2.00 <u>3.00</u> | | | | | | | |
| \$10.00 | \$3.00 4.15 <u>1.50</u> | | | | | | | |
| \$7.00 | \$2.50 1.73 <u>3.00</u> | | | | | | | |
| \$10.00 | \$2.88 .17 <u>5.32</u> | | | | | | | |
| \$5.00 | \$.98 .14 <u>1.98</u> | | | | | | | |

Multiplied and dividing money values using \$ and decimal point. 1-digit multiplier/divisor. Limit \$20.00.

NAME

DATE

CLASS

TIME

COUNT

$$\begin{array}{r} \$3.00 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.00 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.50 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} \$5.13 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} \$6.25 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.10 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.12 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.14 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.39 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \$8.42 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.55 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \$1.42 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.41 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.34 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.29 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.14 \\ \times 1 \\ \hline \end{array}$$

637

$$\begin{array}{r} \$1.13 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.19 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.41 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.13 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} \$3.17 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \$.14 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \$.13 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} \$.78 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.98 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.31 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \$1.14 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.43 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} \$.25 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \$.88 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.19 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.00 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} \$1.14 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \$4.17 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} \$8.41 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} \$1.41 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.98 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} \$1.12 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} \$.92 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} \$1.98 \\ \times 8 \\ \hline \end{array}$$

| NAME | DATE | CLASS | TIME | COUNT |
|---------------------------------|-------------------------|------------------------|------------------------|------------------------|
| $7 \overline{) 31.40} \cdot 20$ | $12 \overline{) 12.00}$ | $3 \overline{) 21}$ | $6 \overline{) 33.00}$ | $2 \overline{) 51.20}$ |
| $5 \overline{) 55.15}$ | $5 \overline{) 25.10}$ | $4 \overline{) 2.80}$ | $6 \overline{) 2.46}$ | $8 \overline{) 49.60}$ |
| $4 \overline{) 16.12}$ | $10 \overline{) 7.00}$ | $2 \overline{) 4.80}$ | $4 \overline{) 4.12}$ | $8 \overline{) 3.24}$ |
| $4 \overline{) 3.20}$ | $6 \overline{) 6.18}$ | $2 \overline{) 3.18}$ | $9 \overline{) 36.18}$ | $12 \overline{) 9.60}$ |
| $10 \overline{) 60.00}$ | $2 \overline{) 6.12}$ | $8 \overline{) 4.88}$ | $4 \overline{) 12.08}$ | $5 \overline{) 2.00}$ |
| $9 \overline{) 72.00}$ | $2 \overline{) 2.08}$ | $7 \overline{) 42.07}$ | $5 \overline{) 3.00}$ | $5 \overline{) 5.10}$ |
| $6 \overline{) 24.12}$ | $7 \overline{) 14.21}$ | $4 \overline{) 24.16}$ | $6 \overline{) 42.30}$ | $9 \overline{) 8.10}$ |

| NAME | DATE | CLASS | TIME | COUNT |
|--|--|--|--|--|
| $\begin{array}{r} 41514.70 \\ \hline \end{array}$ | $\begin{array}{r} 5154.40 \\ \hline \end{array}$ | $\begin{array}{r} \$ 8.42 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 3156.30 \\ \hline \end{array}$ | $\begin{array}{r} \$ 3.55 \\ \times 2 \\ \hline \end{array}$ |
| $\begin{array}{r} 4157.14 \\ \hline \end{array}$ | $\begin{array}{r} 9151.89 \\ \hline \end{array}$ | $\begin{array}{r} \$ 3.41 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 8158.32 \\ \hline \end{array}$ | $\begin{array}{r} \$ 7.34 \\ \times 4 \\ \hline \end{array}$ |
| $\begin{array}{r} \$ 4.29 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 7154.20 \\ \hline \end{array}$ | $\begin{array}{r} 21522.041 \\ \hline \end{array}$ | $\begin{array}{r} 9159.18 \\ \hline \end{array}$ | $\begin{array}{r} \$ 2.98 \\ \times 7 \\ \hline \end{array}$ |
| $\begin{array}{r} \$ 3.19 \\ \times 3 \\ \hline \end{array}$ | $\begin{array}{r} 9154.59 \\ \hline \end{array}$ | $\begin{array}{r} \$.78 \\ \times 7 \\ \hline \end{array}$ | $\begin{array}{r} \$.92 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} \$ 1.98 \\ \times 8 \\ \hline \end{array}$ |
| $\begin{array}{r} 81532.16 \\ \hline \end{array}$ | $\begin{array}{r} \$ 3.15 \\ \times 4 \\ \hline \end{array}$ | $\begin{array}{r} 7154.20 \\ \hline \end{array}$ | $\begin{array}{r} \$ 2.00 \\ \times 8 \\ \hline \end{array}$ | $\begin{array}{r} \$ 1.14 \\ \times 9 \\ \hline \end{array}$ |

Writing numerals to 12 on clock face.

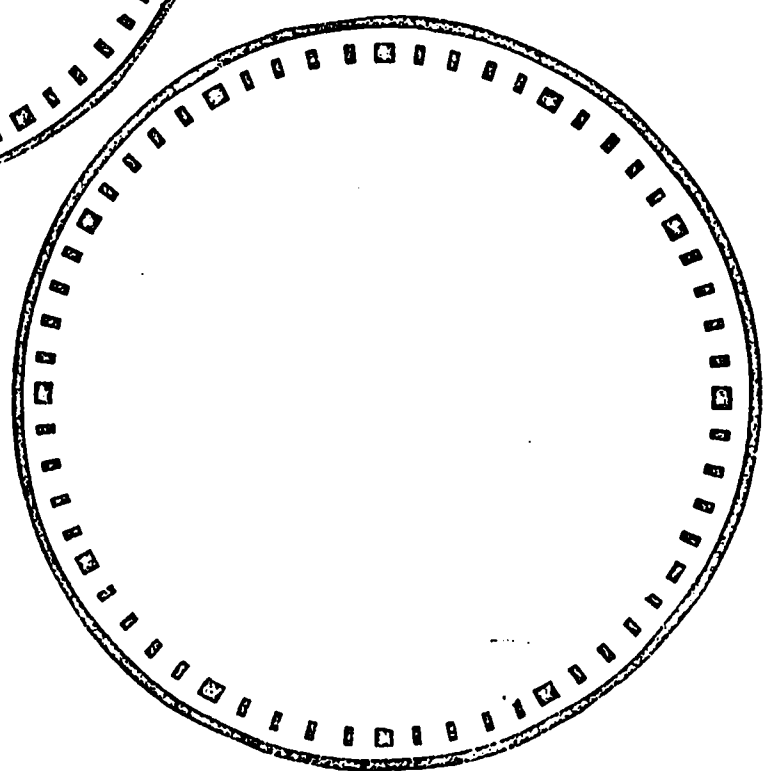
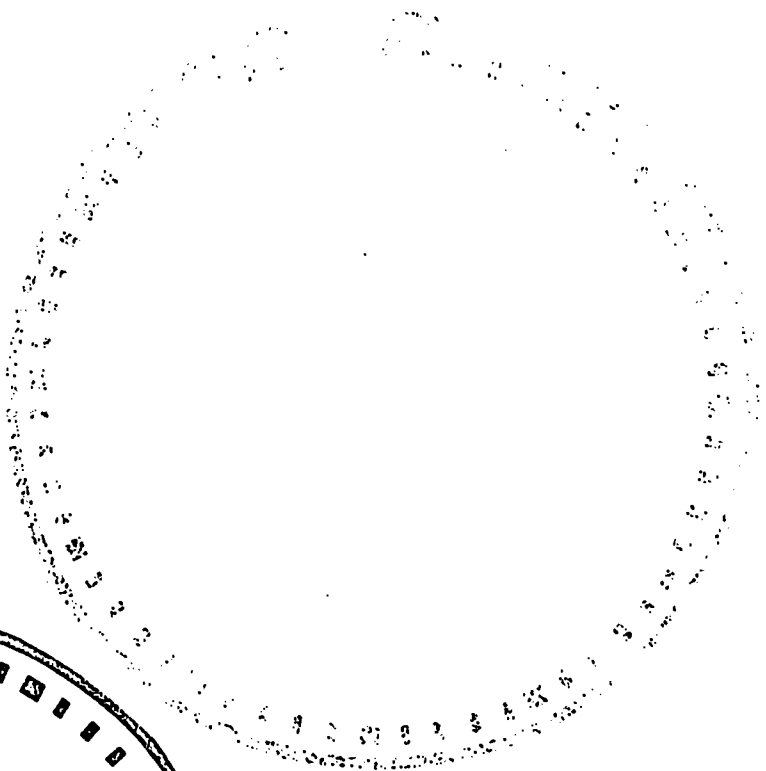
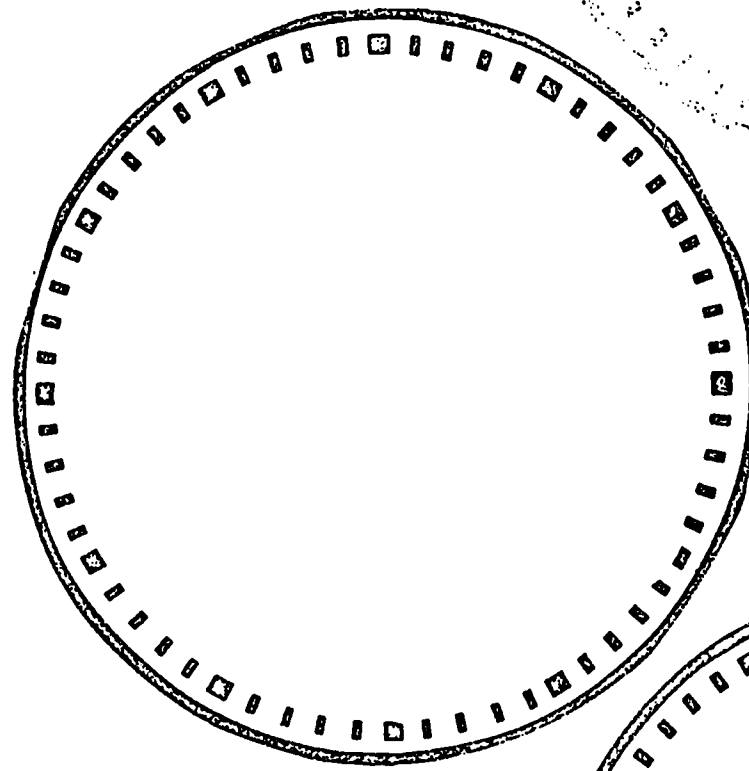
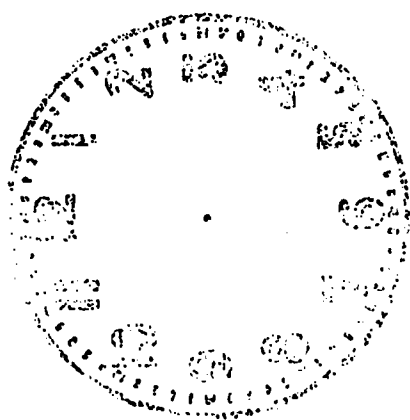
COUNT

TIME

CLASS

DATE

NAME



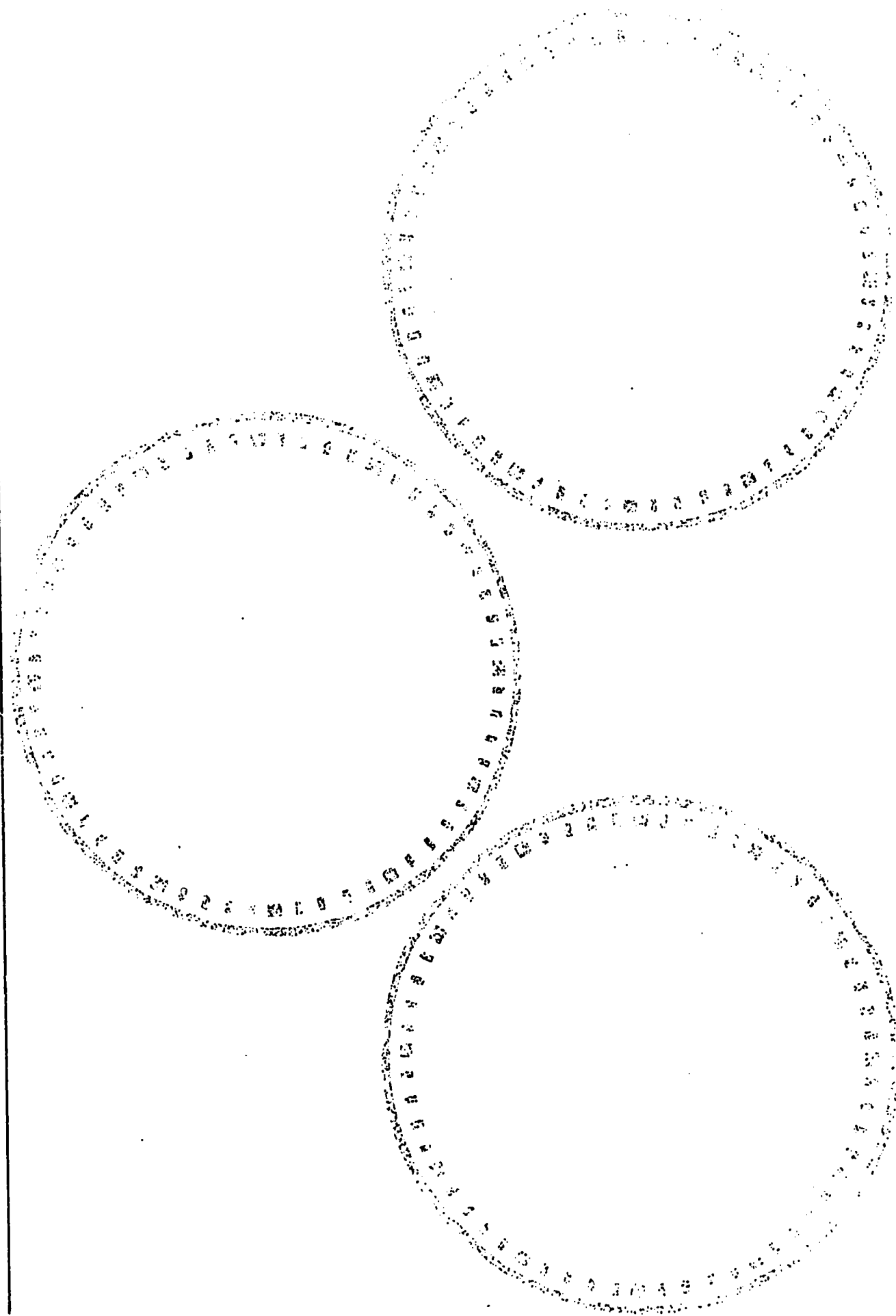
COUNT

TIME

CLASS

DATE

NAME



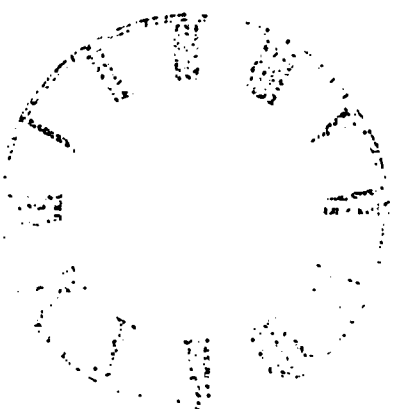
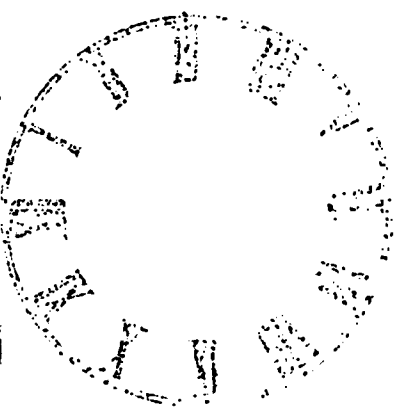
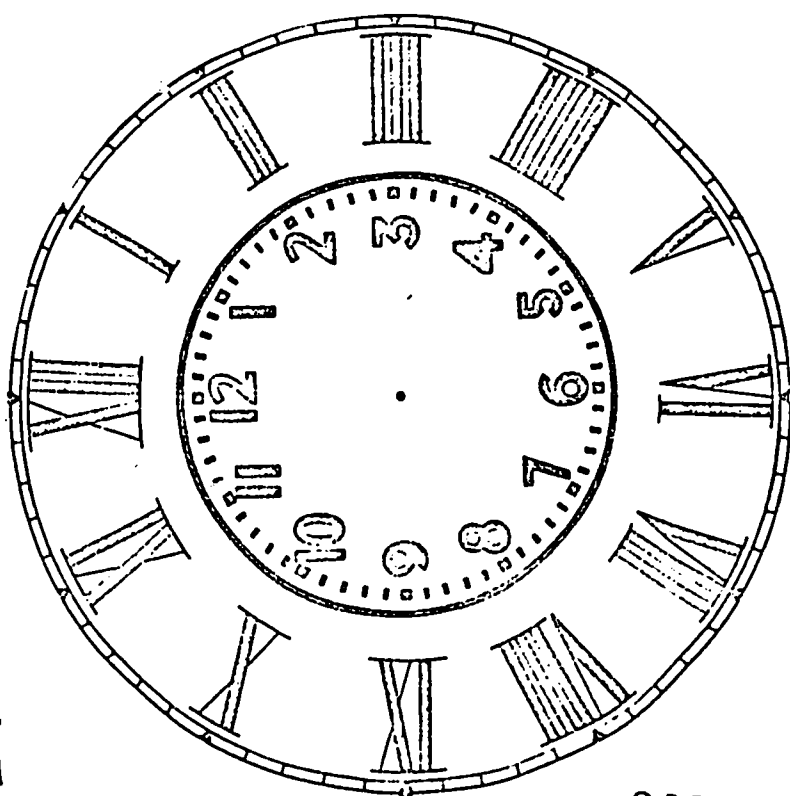
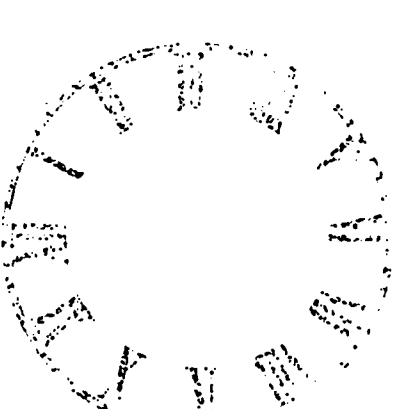
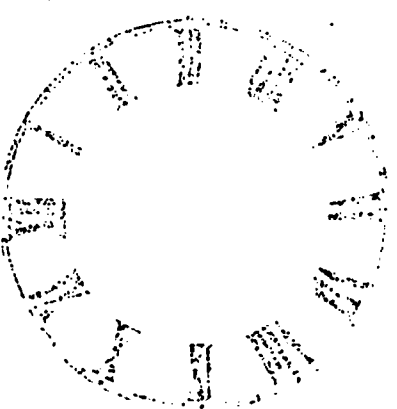
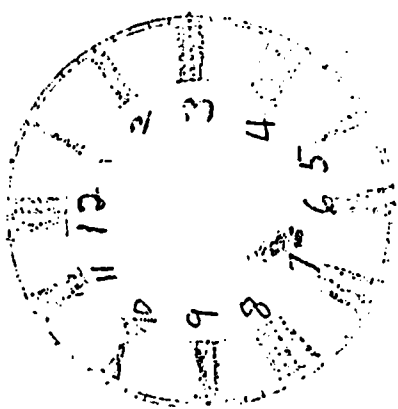
COUNT

TIME

CLASS

DATE

NAME



Giving only hour hand pointing between 2 numerals identifying intervals as "before" and "after".

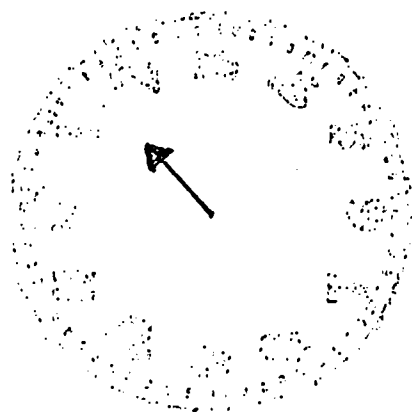
COUNT

TIME

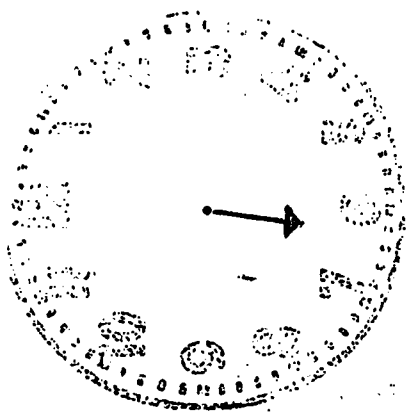
CLASS

DATE

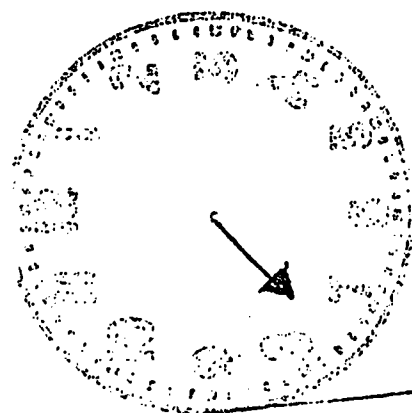
NAME



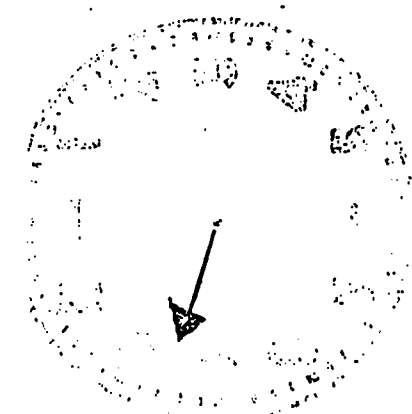
After



After



After



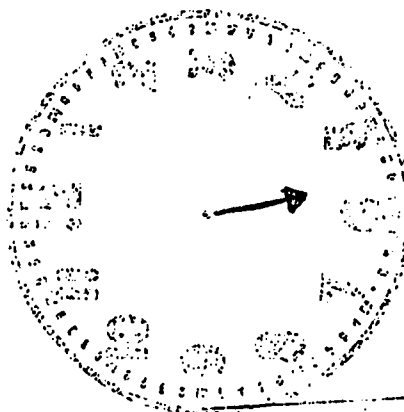
After 9



After



After



After



After

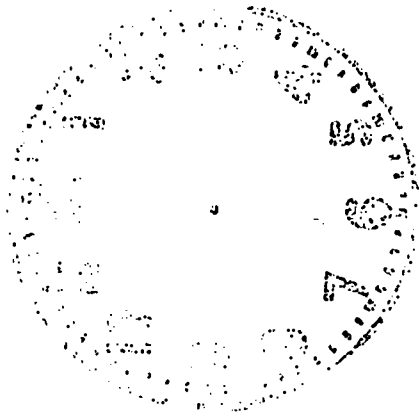
COUNT

TIME

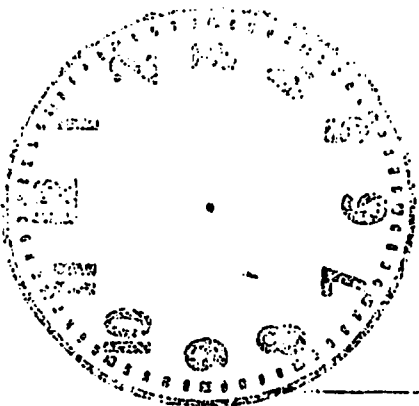
CLASS

DATE

NAME



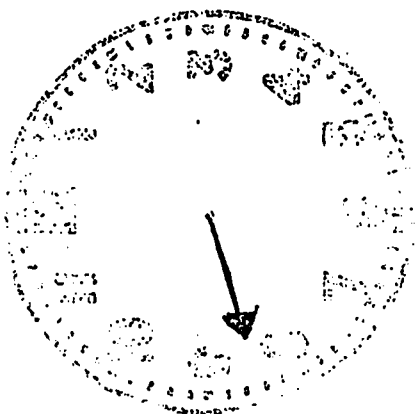
before



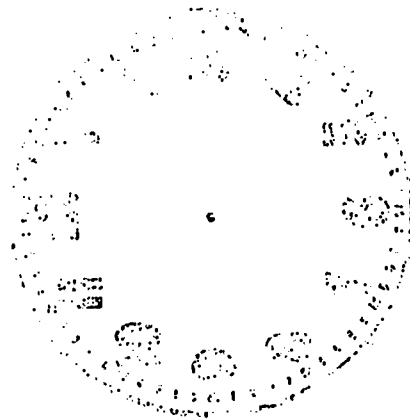
before



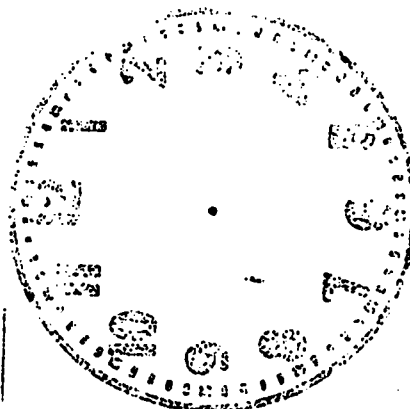
before



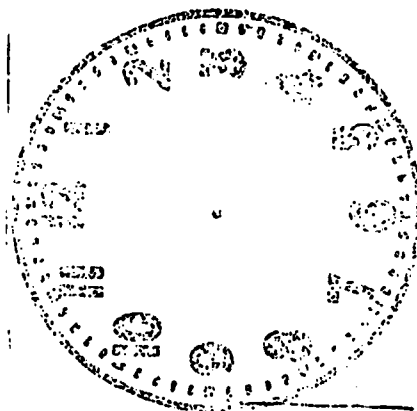
before 9



before



before



before



before

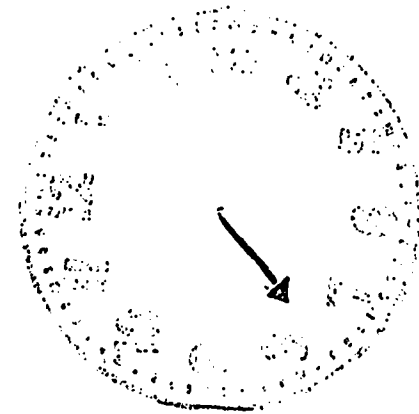
COUNT

TIME

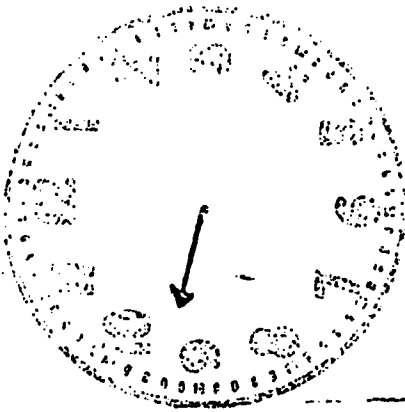
CLASS

DATE

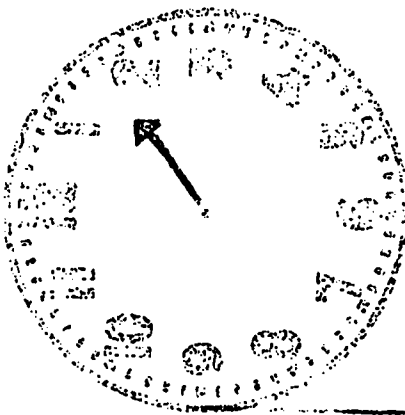
NAME



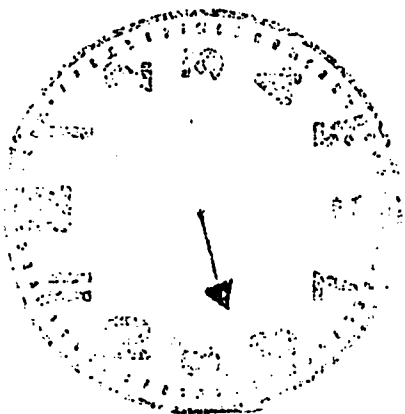
before —
after —



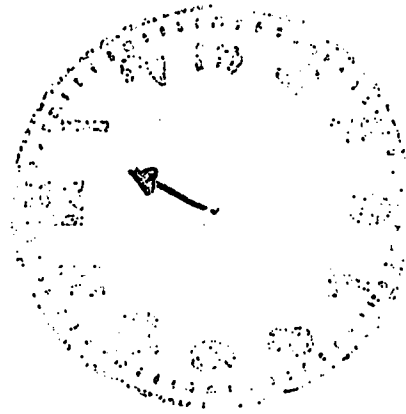
before —
after —



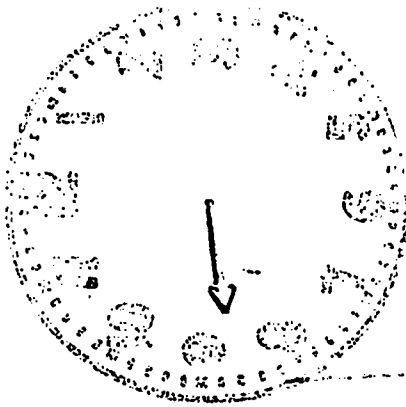
before —
after —



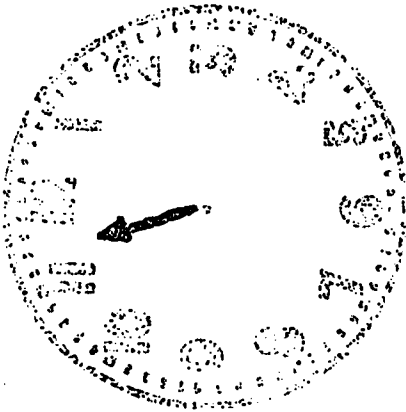
before 9
after 8



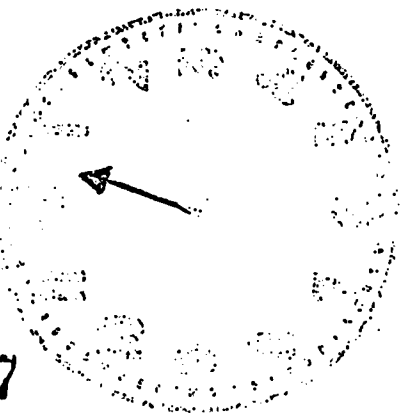
before —
after —



before —
after —



before —
after —



before —
after —

Placing an arrow on a "clock" number line to identify a given number of marks after the arrow to the end.

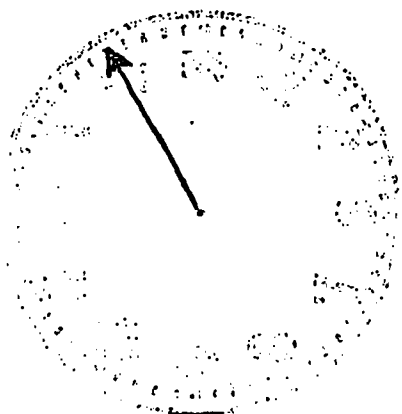
COUNT

TIME

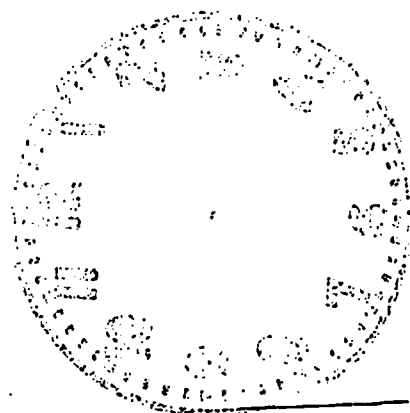
CLASS

DATE

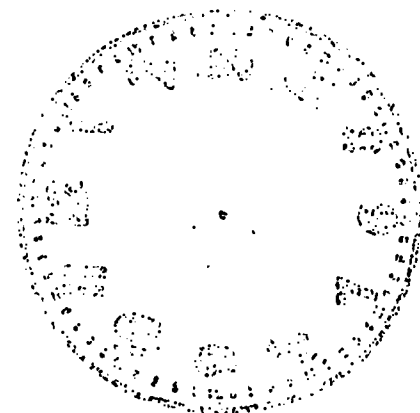
NAME



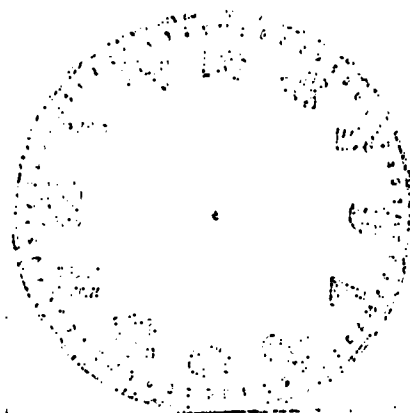
10 after



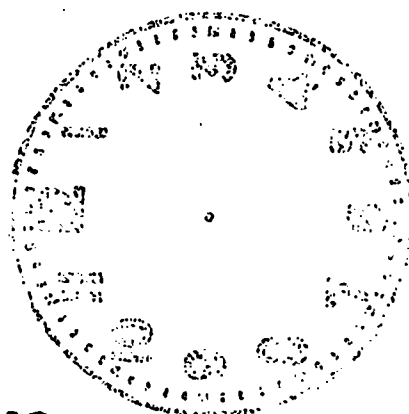
20 after



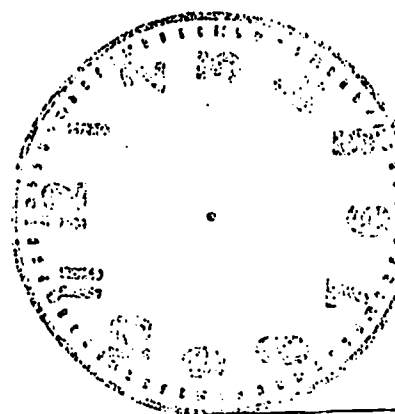
15 after



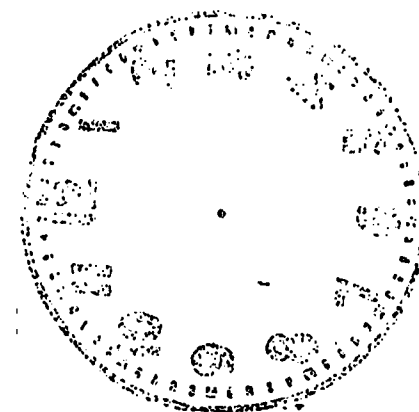
45 after



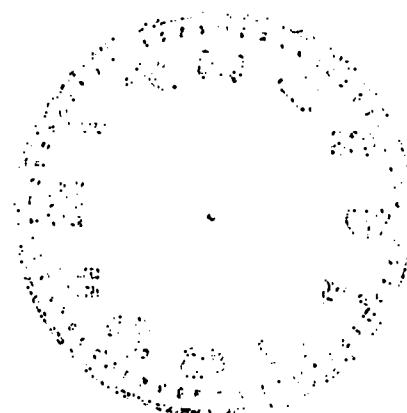
50 after



7 after



53 after



18 after

Counting marks and/or places of an arrow on clock number line which is bent into a circle to form a clock face. Responding to word "minutes".

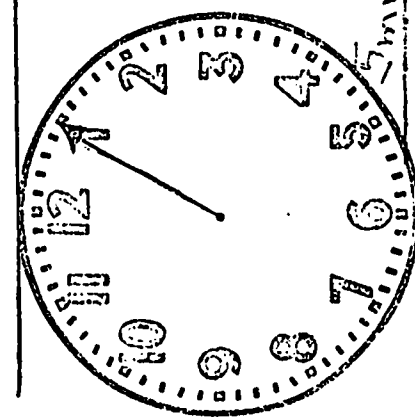
COUNT

TIME

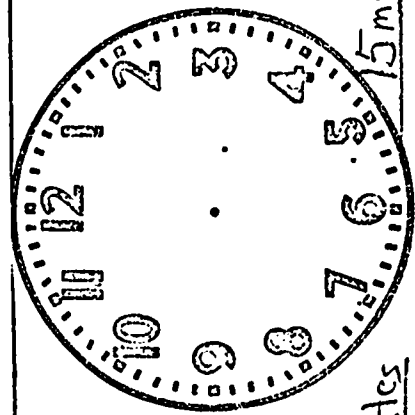
CLASS

DATE

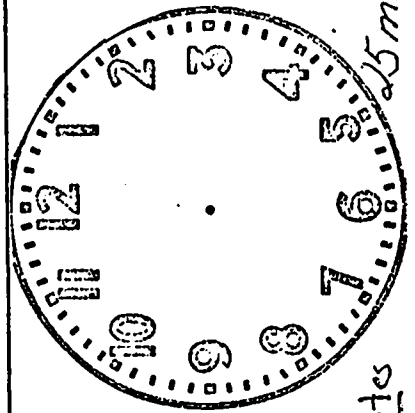
NAME



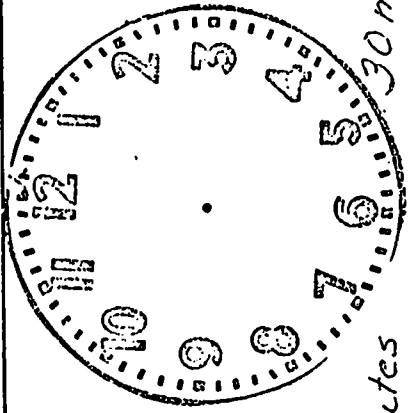
5 minutes



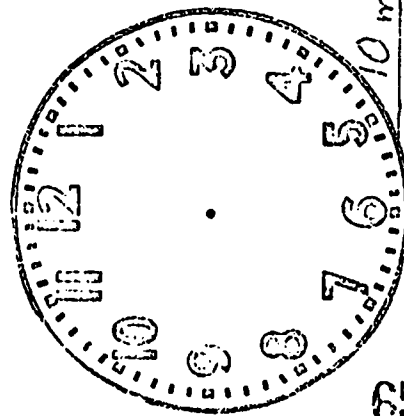
15 minutes



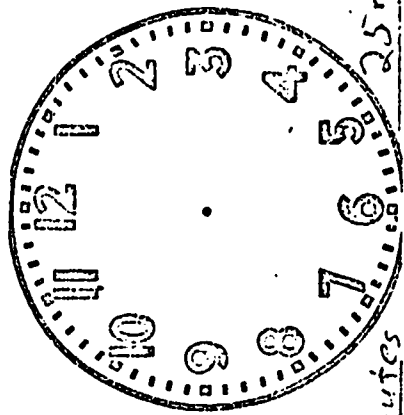
25 minutes



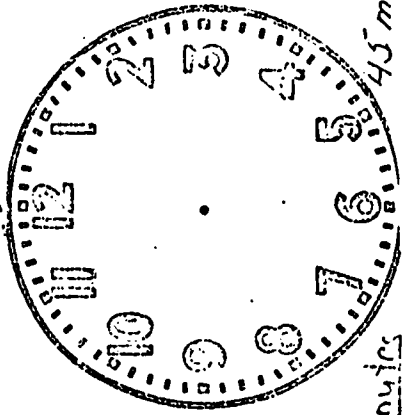
30 minutes



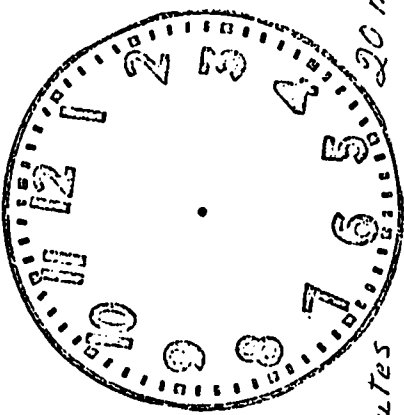
10 minutes



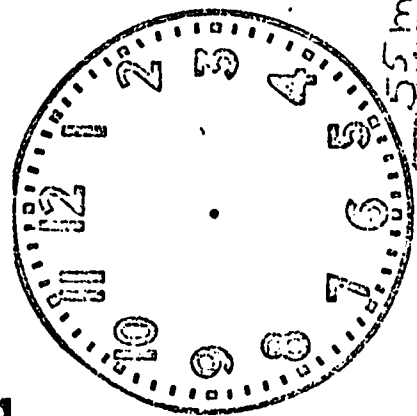
25 minutes



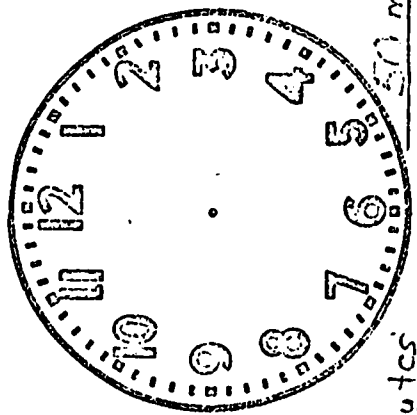
45 minutes



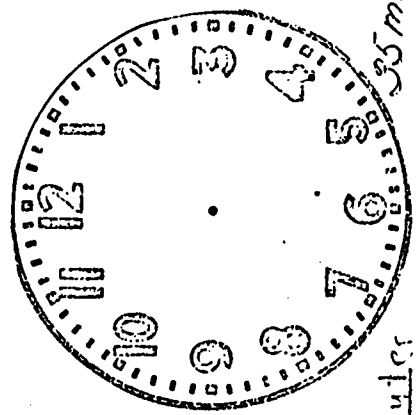
20 minutes



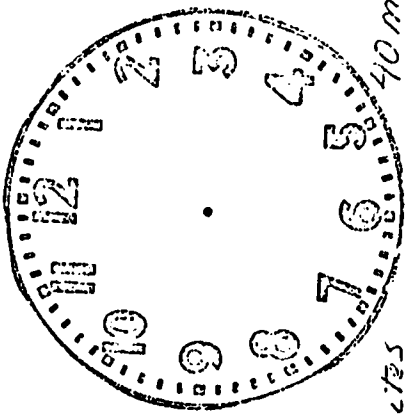
55 minutes



50 minutes



35 minutes



40 minutes

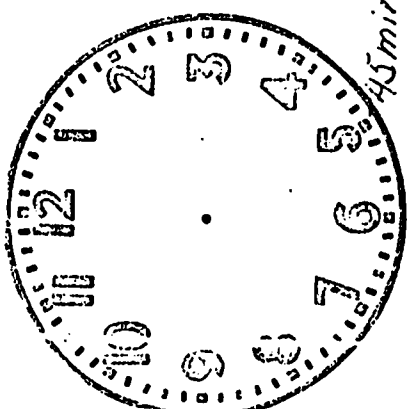
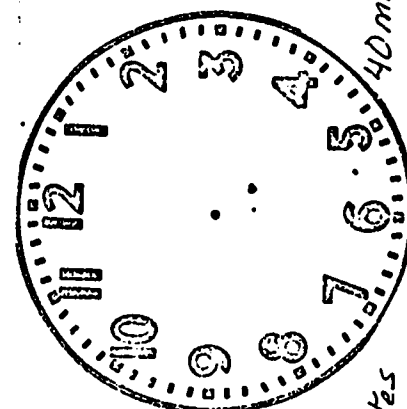
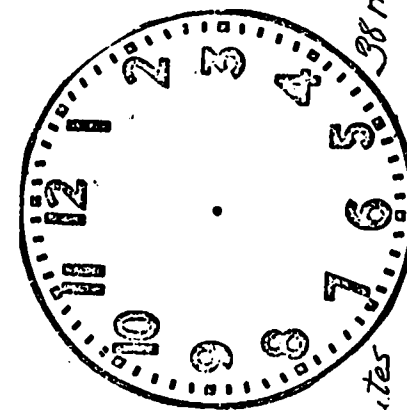
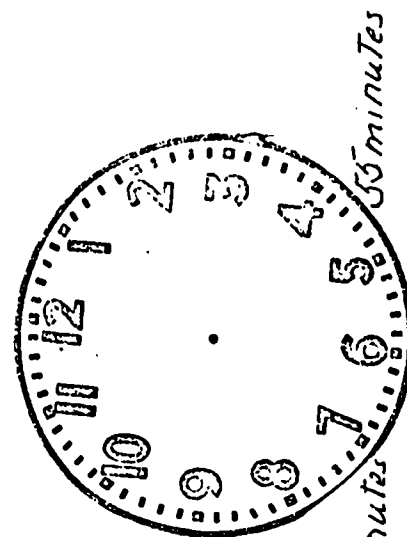
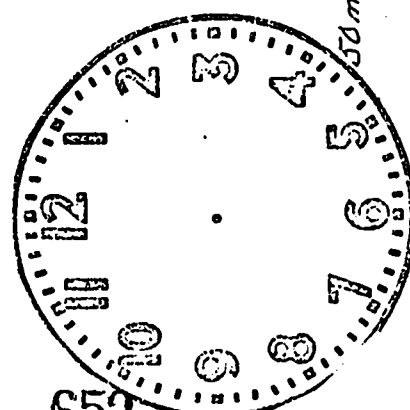
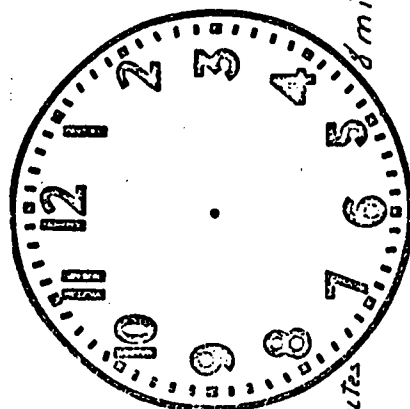
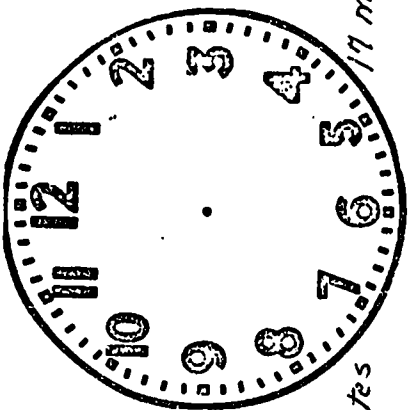
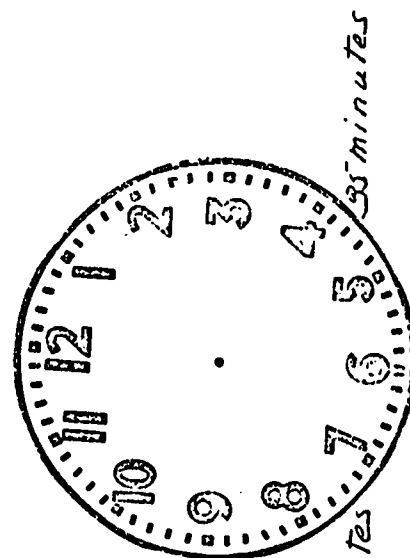
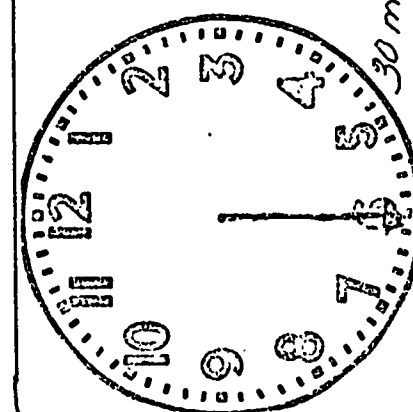
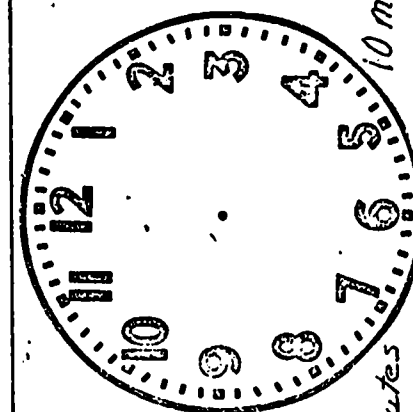
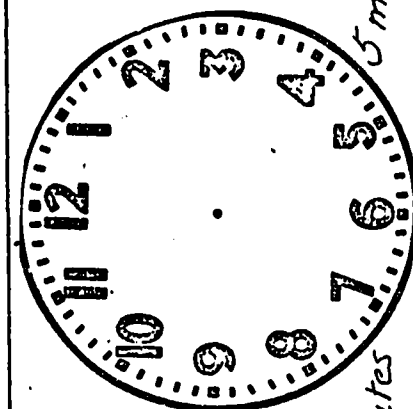
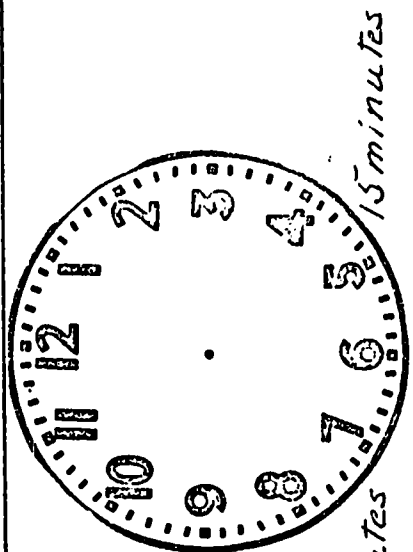
COUNT

TIME

CLASS

DATE

NAME



Selecting matching clock faces.

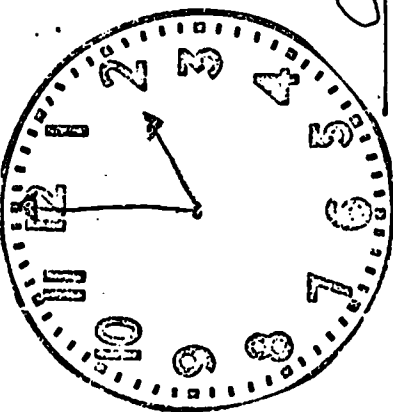
COUNT

TIME

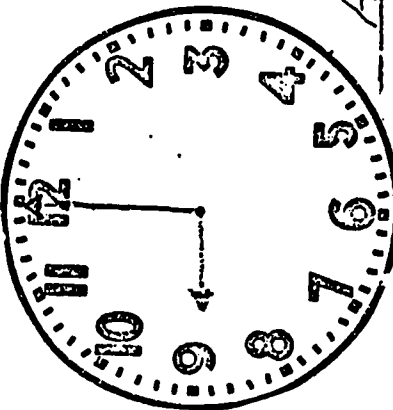
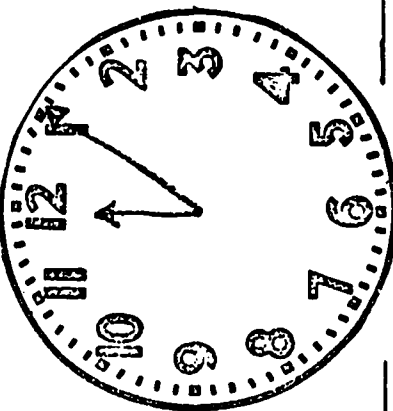
CLASS

DATE

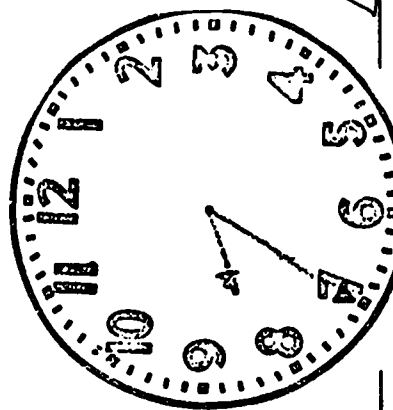
NAME



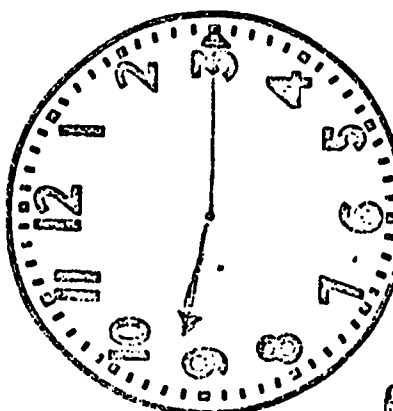
C



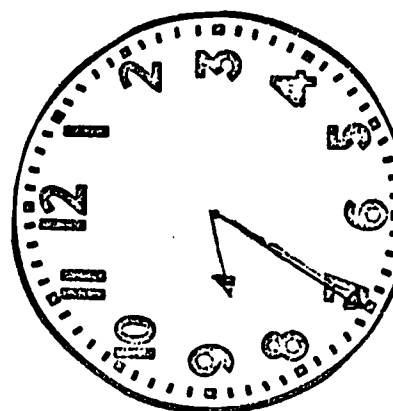
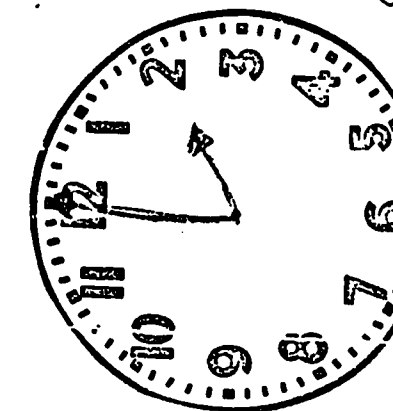
A



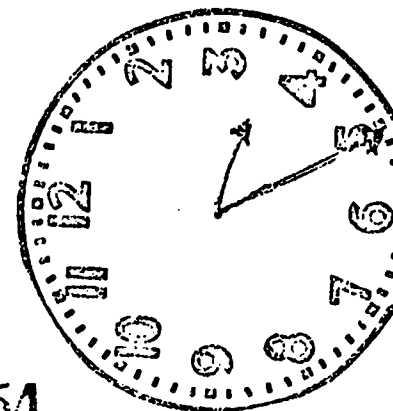
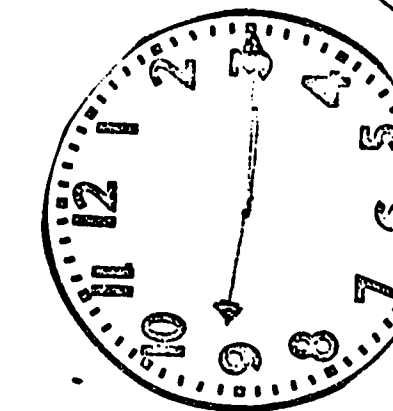
B



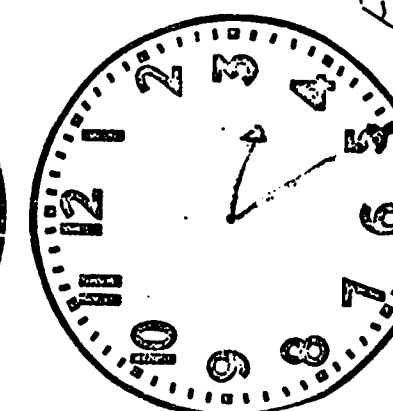
C



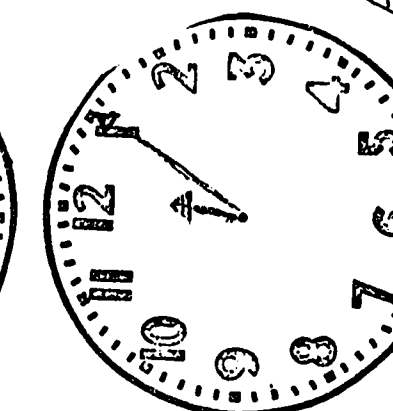
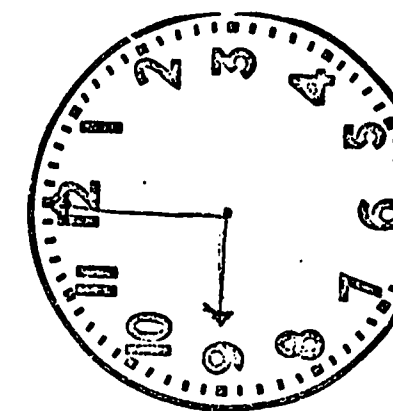
D



E



F



Matching clock face to printed time.

COUNT

TIME

CLASS

DATE

NAME

7:45

6:00

4:30

7:50

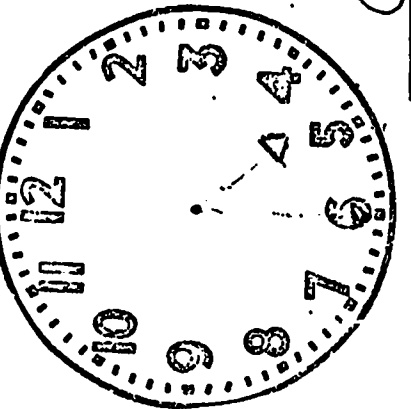
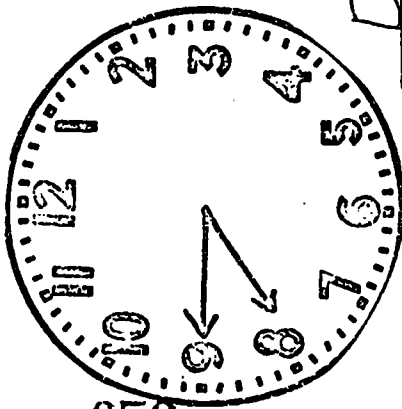
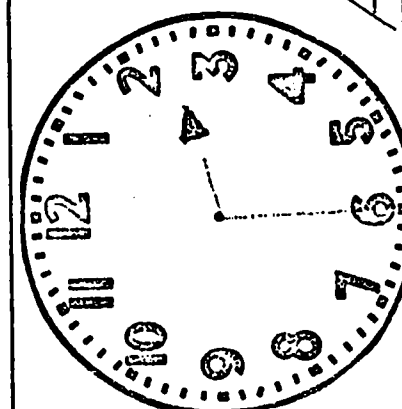
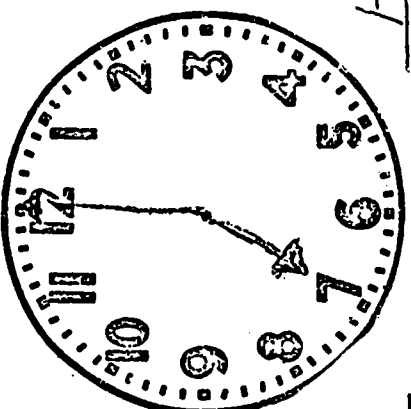
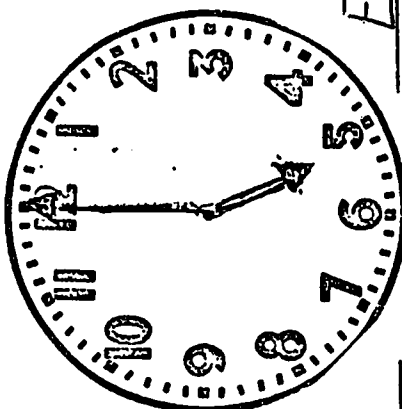
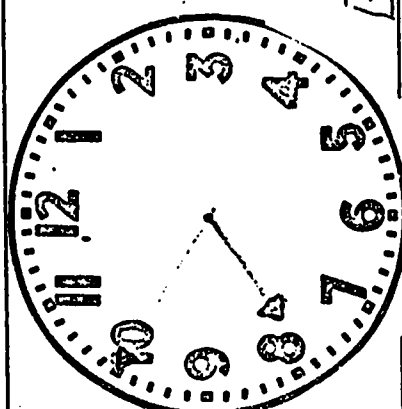
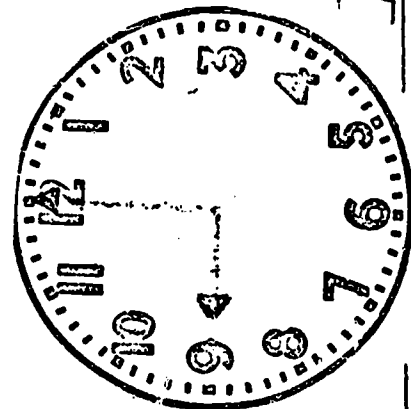
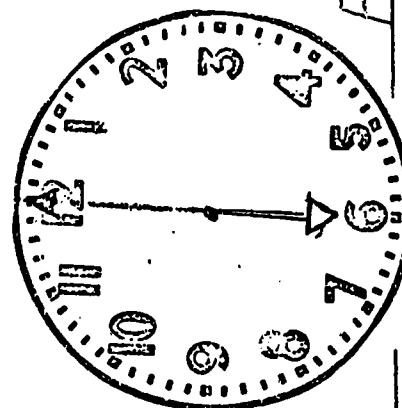
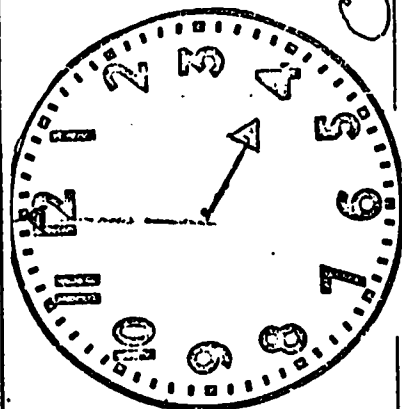
9:00

7:00

2:30

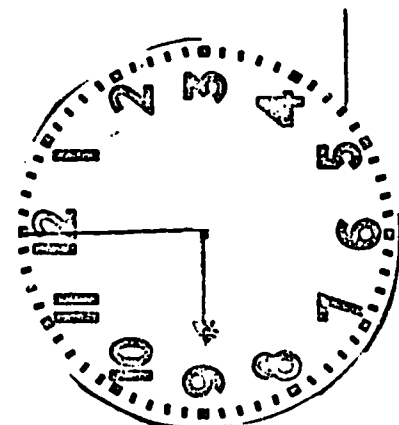
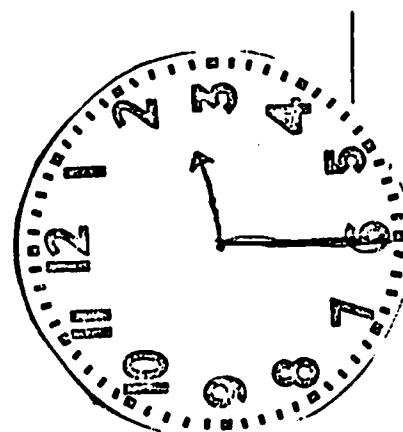
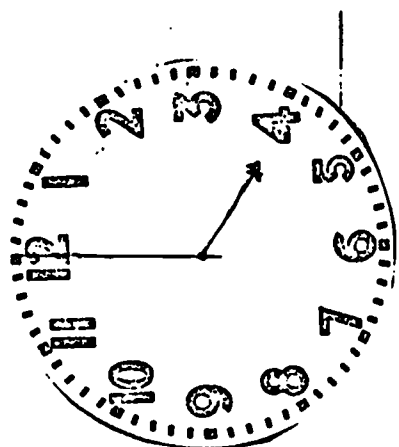
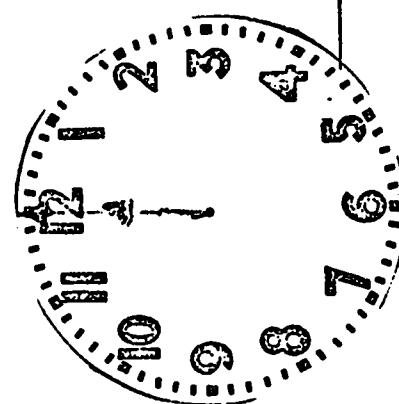
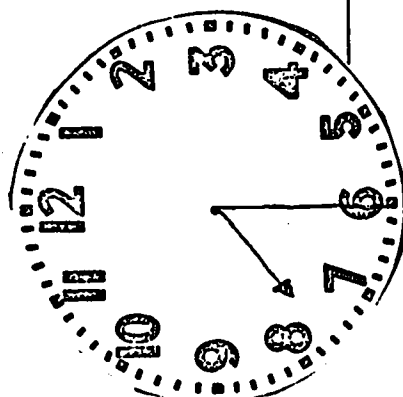
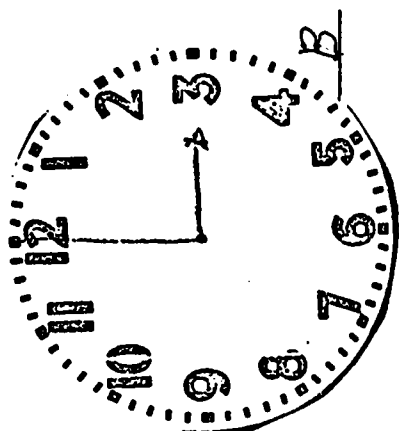
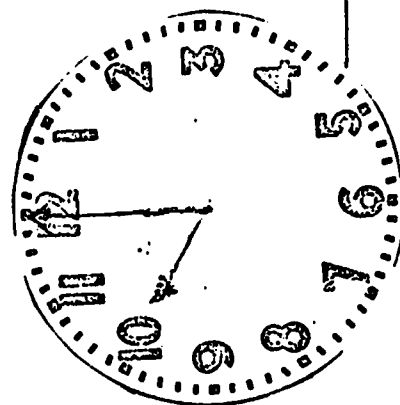
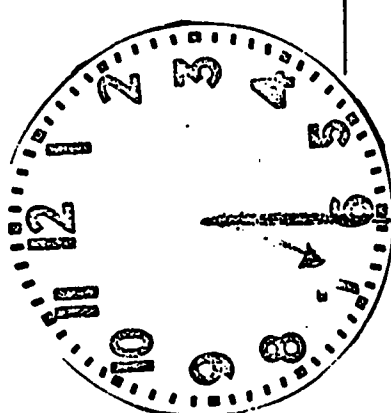
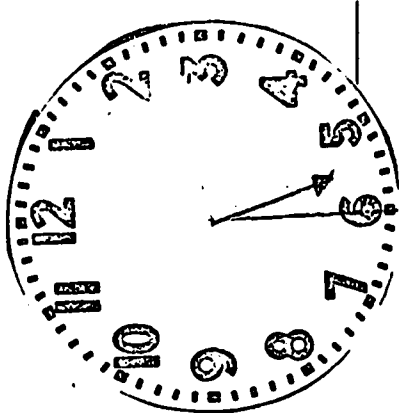
5:00

4:00

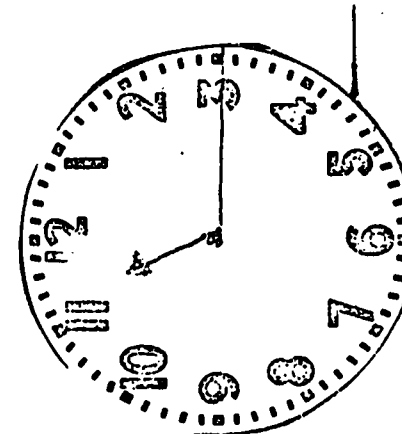
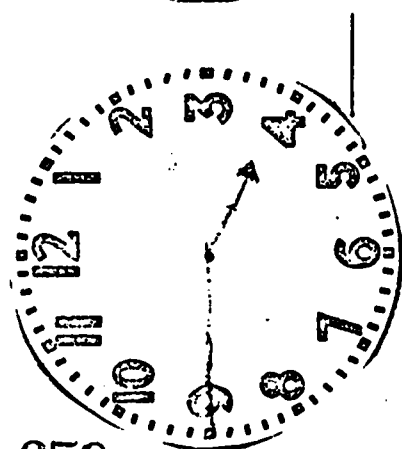
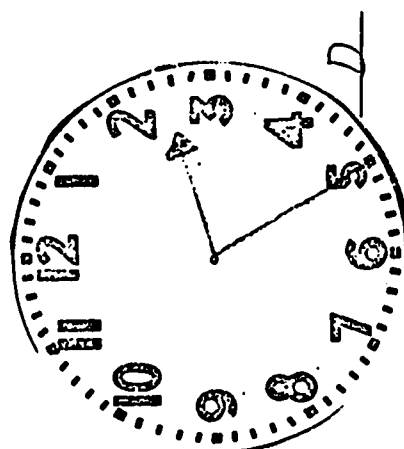
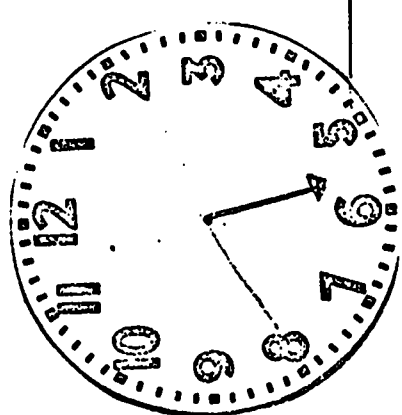
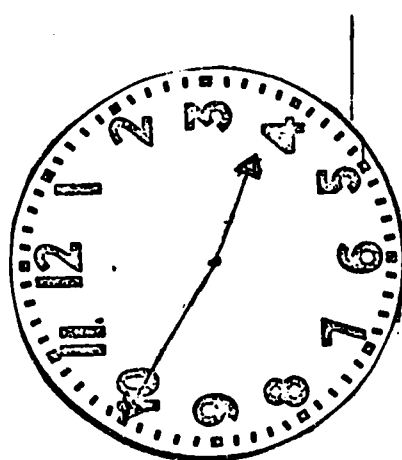
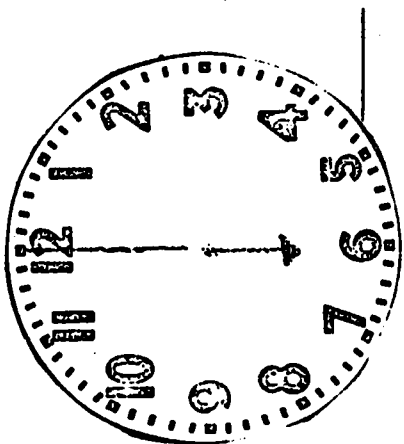
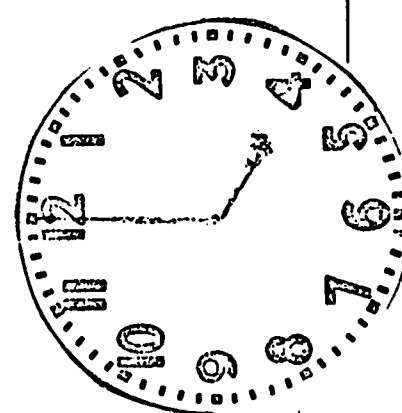
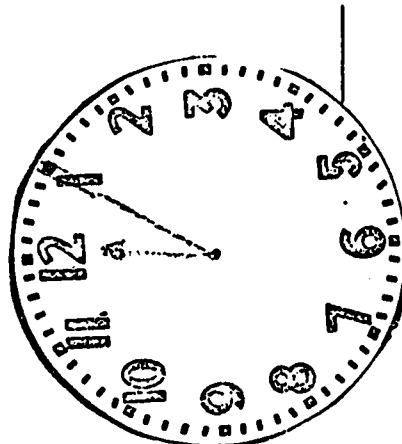
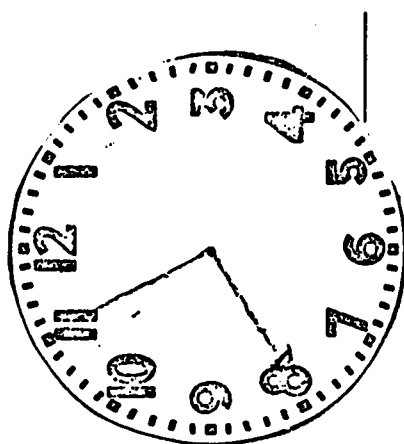


Selecting printed time to match clock face.

| | NAME | DATE | CLASS | TIME | COUNT |
|----|------|------|-------|------|-------|
| A. | | | | | 10:00 |
| B. | | | | | 3:00 |
| C. | | | | | 2:30 |
| D. | | | | | 4:00 |
| E. | | | | | 6:30 |
| F. | | | | | 7:30 |
| G. | | | | | 5:30 |
| H. | | | | | 12:00 |
| I. | | | | | 9:00 |



| | NAME | DATE | CLASS | TIME | COUNT |
|----|------|------|-------|------|-------|
| A. | | | | | 4:00 |
| B. | | | | | 7:55 |
| C. | | | | | 11:15 |
| D. | | | | | 2:25 |
| E. | | | | | 3:45 |
| F. | | | | | 3:50 |
| G. | | | | | 6:00 |
| H. | | | | | 12:05 |
| I. | | | | | 5:40 |



Drawing hour, minute hand, drawing both to show printed time.

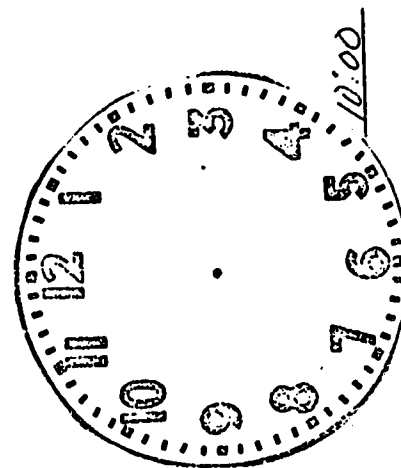
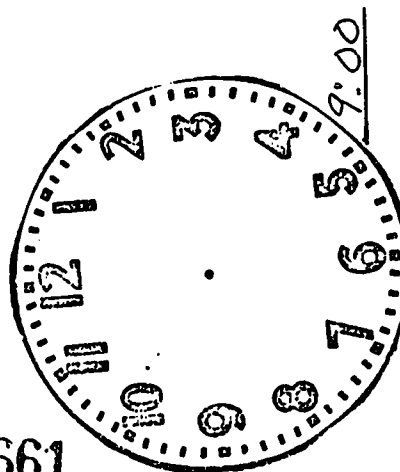
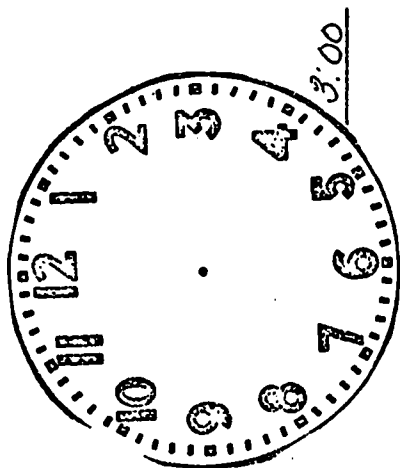
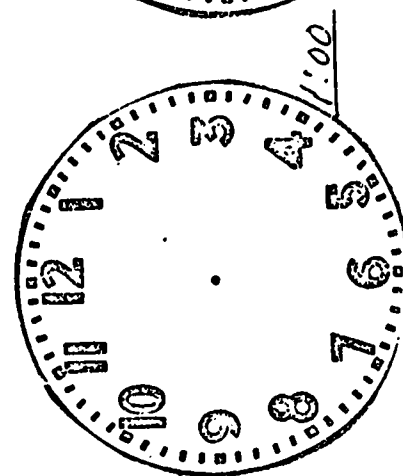
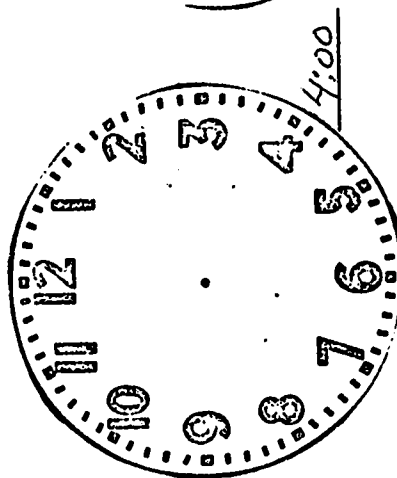
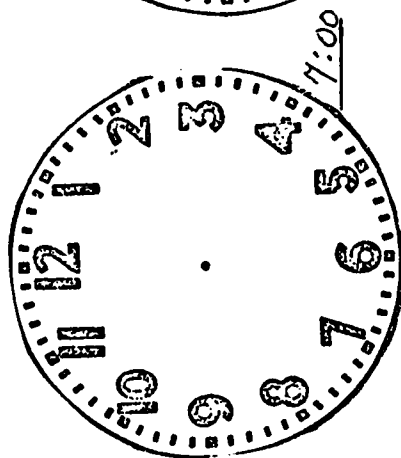
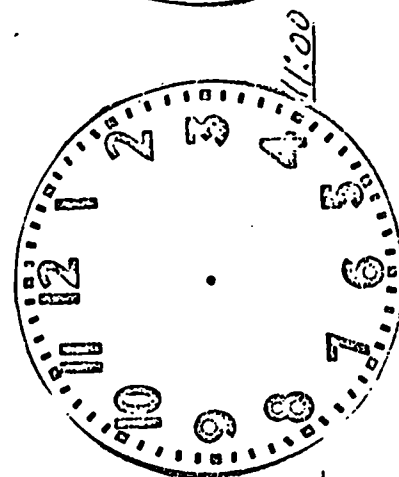
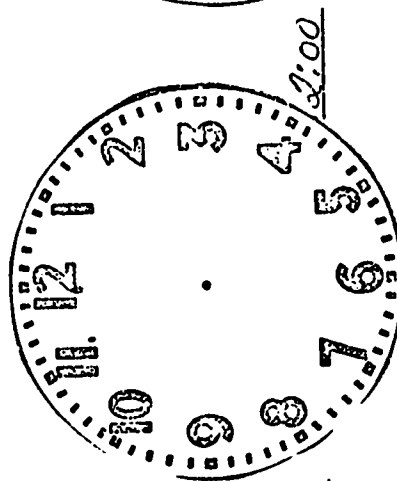
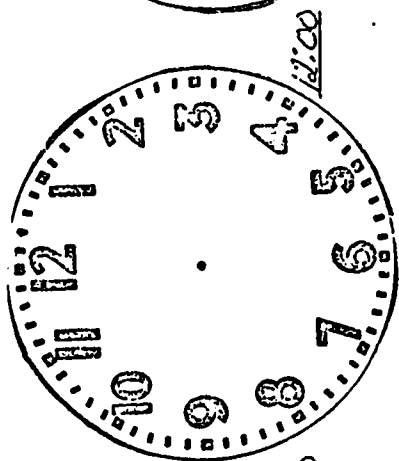
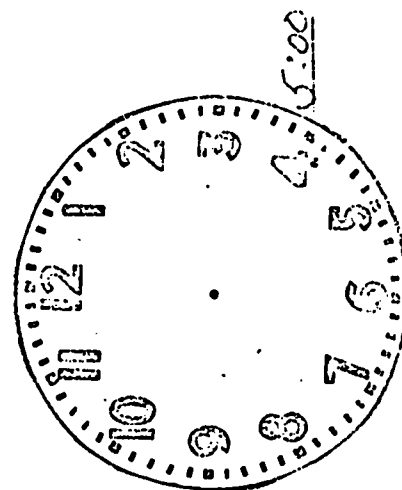
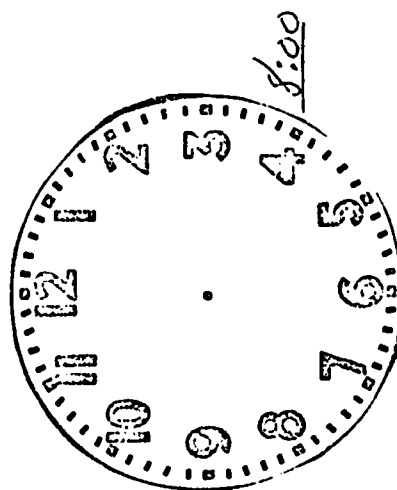
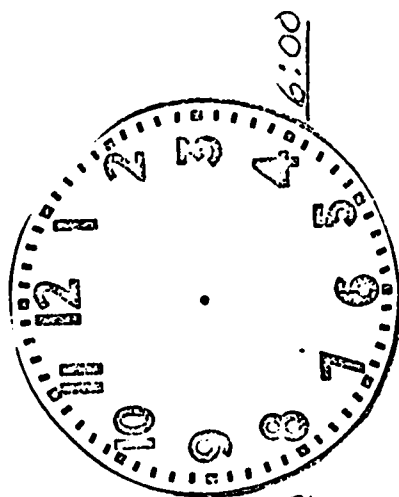
COUNT

TIME

CLASS

DATE

NAME



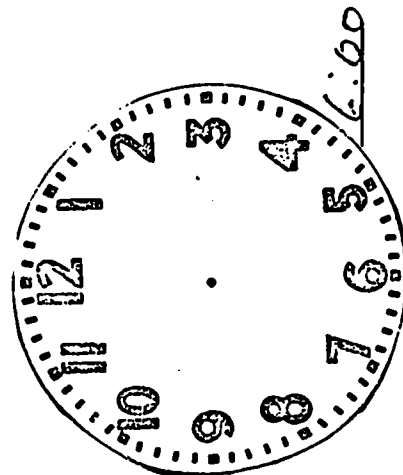
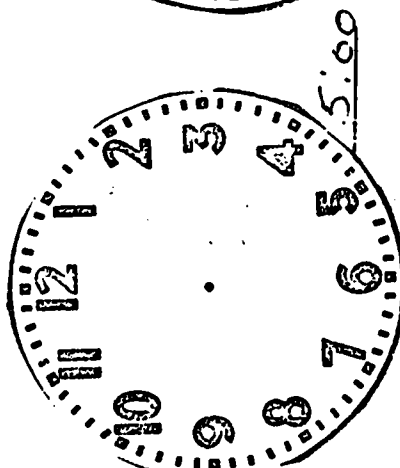
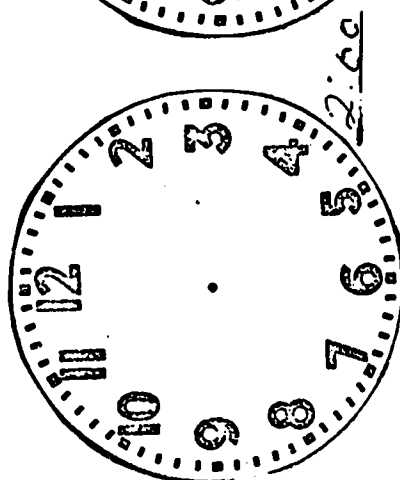
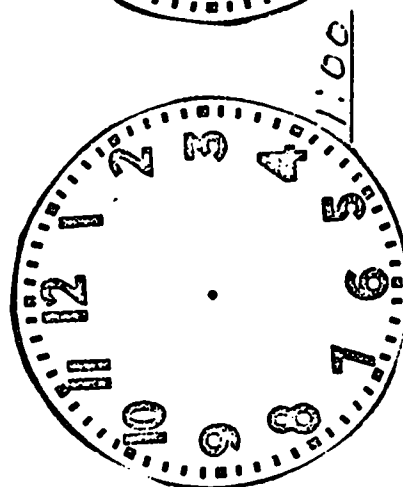
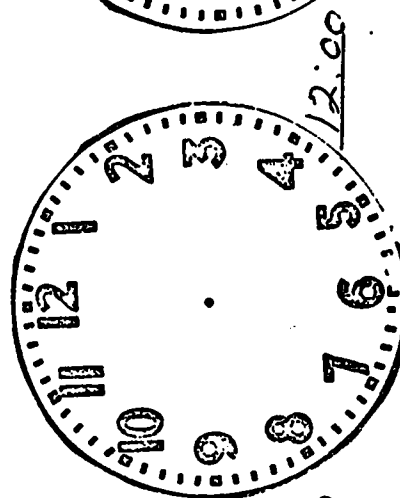
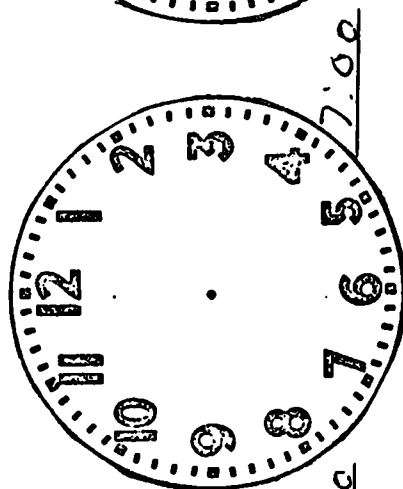
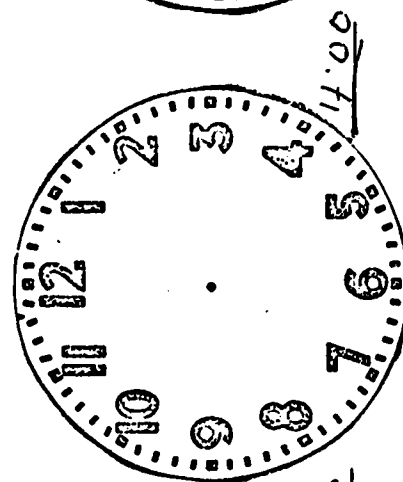
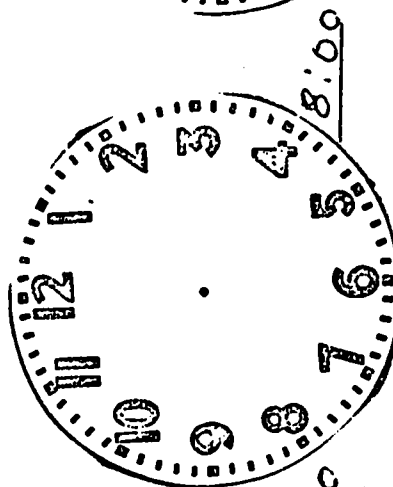
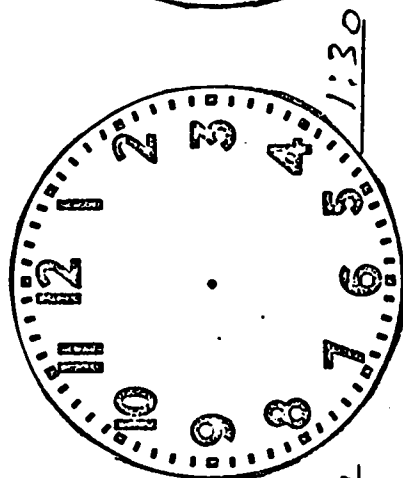
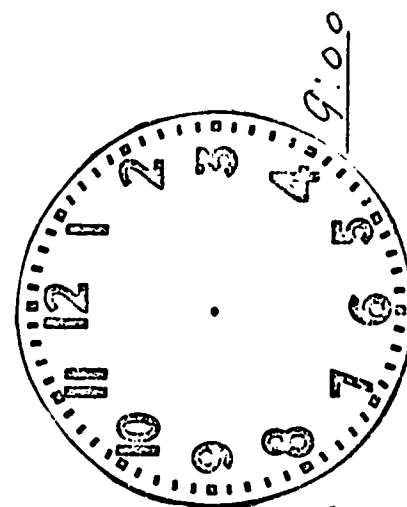
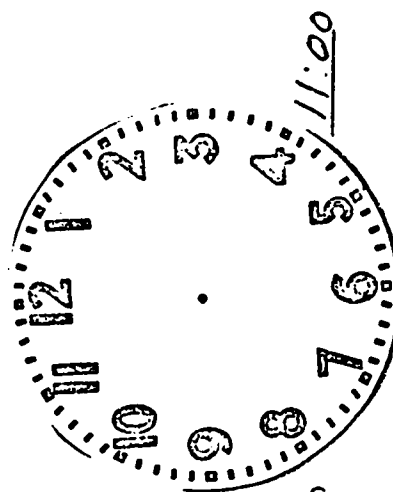
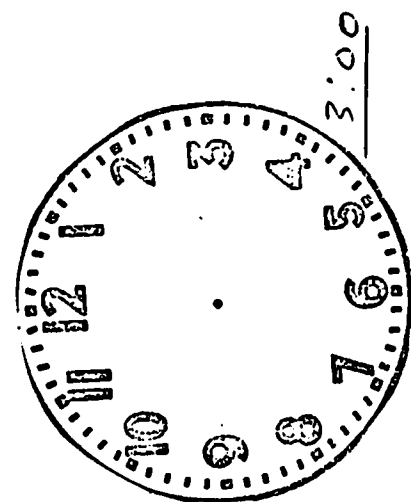
COUNT

TIME

CLASS

DATE

NAME



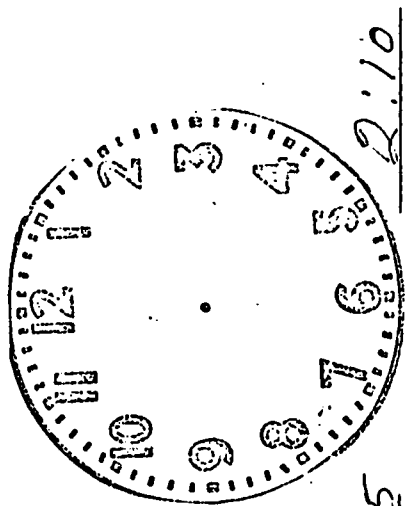
COUNT

TIME

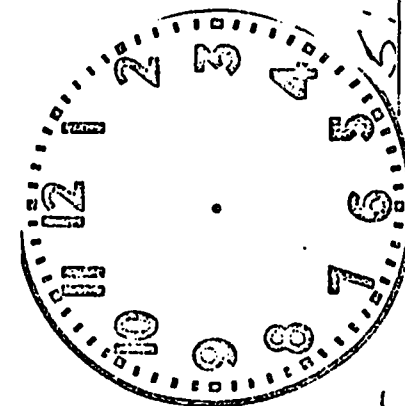
CLASS

DATE

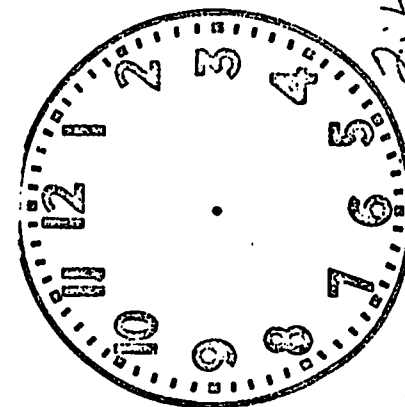
NAME



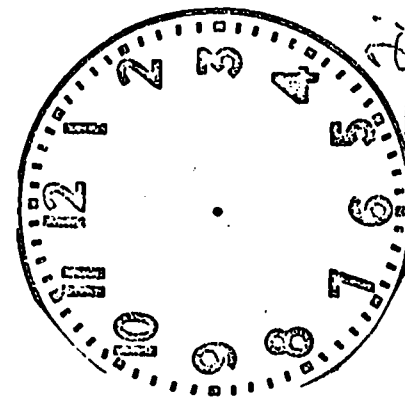
2:10



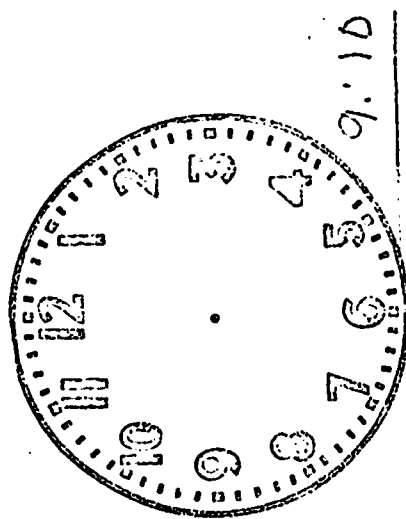
5:15



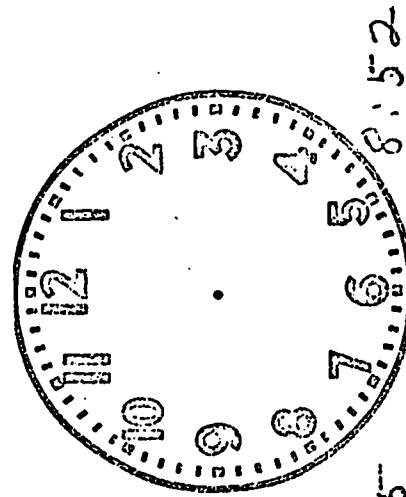
2:45



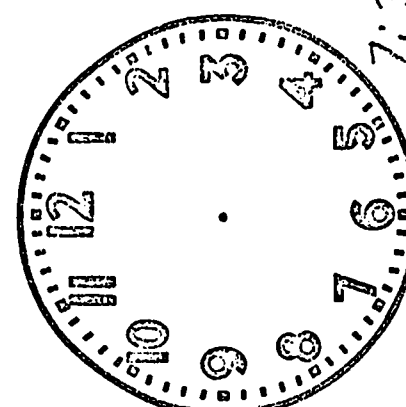
2:00



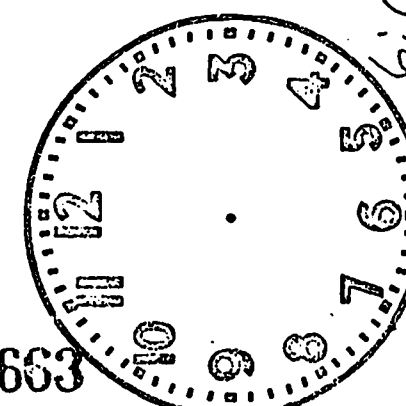
9:10



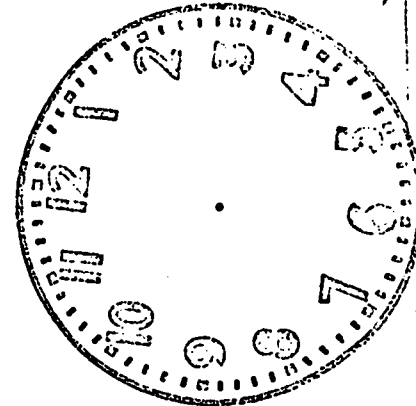
8:52



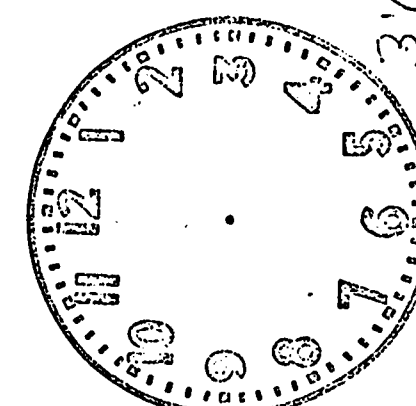
7:35



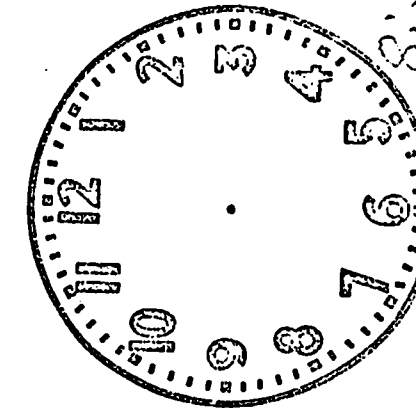
6:00



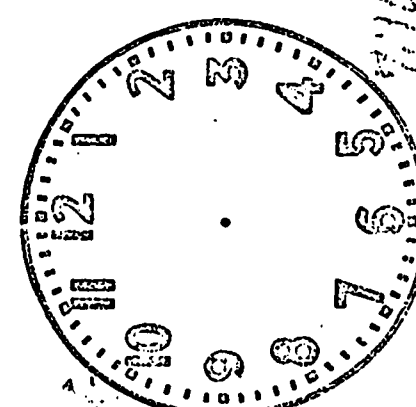
5:25



3:00



8:50



7:10

Writing down other way to state time.

NAME _____

DATE _____

CLASS _____

TIME _____

COUNT _____

3:00

three o'clock

eleven o'clock

five minutes past six

forty-five minutes past two

twenty minutes past seven

thirty-two minutes past nine

seven o'clock

fourteen minutes past four

ten o'clock

fifteen minutes past eight

seven minutes past ten

twelve minutes past seven

fifty minutes past seven

eighteen minutes past three

seven o'clock

seventeen minutes past eight

thirty minutes past eight

twelve o'clock

ten minutes past eight

thirty minutes past two

six o'clock

forty-five minutes past two

ten minutes past ten

twenty minutes past two

twenty-five minutes past one

five minutes past eight

COUNT

TIME

CLASS

DATE

NAME

5:35 35 minutes past 5

9:00

7:00 7 o'clock

7:17

10:20 minutes past

5:20

8:00 o'clock

8:17

2:25 minutes past

12:12

10:00 o'clock

9:15

8:30 minutes past

11:05

6:05 minutes past

1:10

3:00 o'clock

8:55

10:15 minutes past

12:00

9:07 minutes past

11:18

2:10 minutes past

11:14

11:15 minutes past

2:30

COUNT

TIME

CLASS

DATE

NAME

o'clock

o'clock

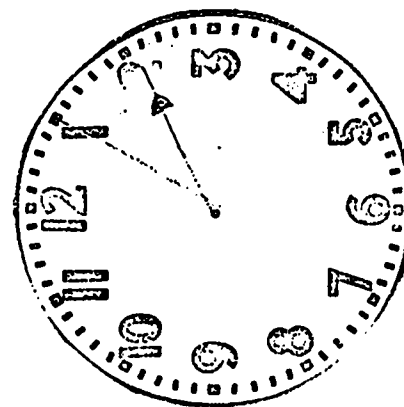
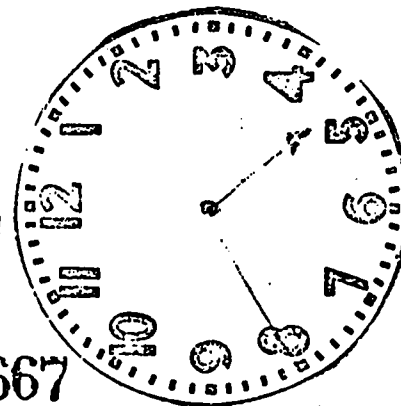
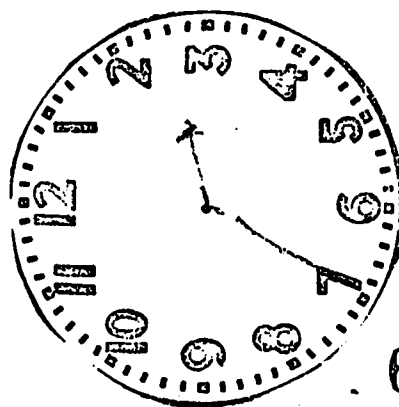
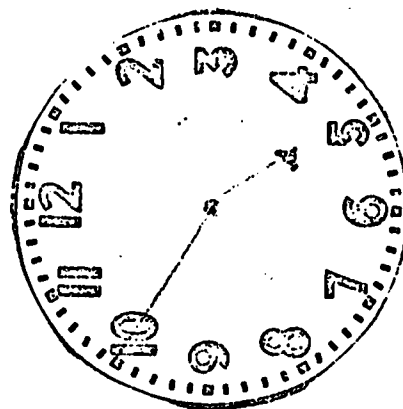
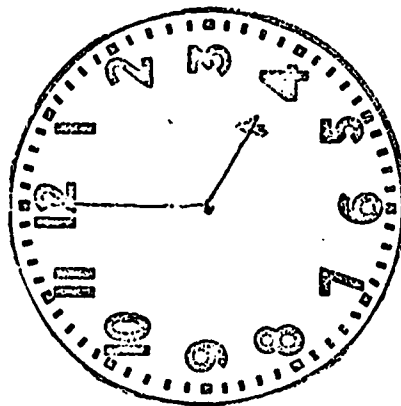
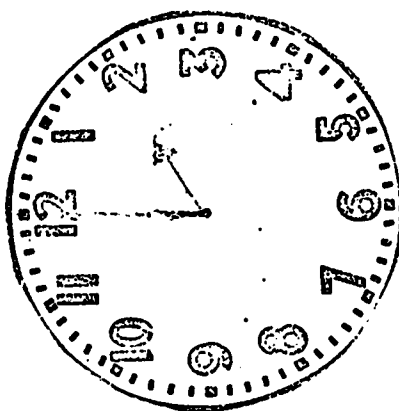
minutes past
before

35 minutes past 2

25 minutes before 3

minutes past
before

minutes past
before



Matching time statements and clock faces.

COUNT

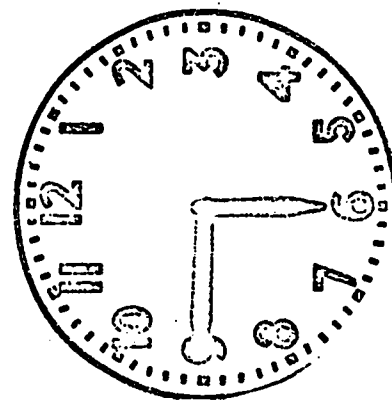
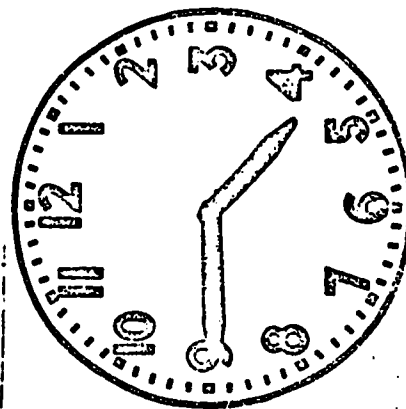
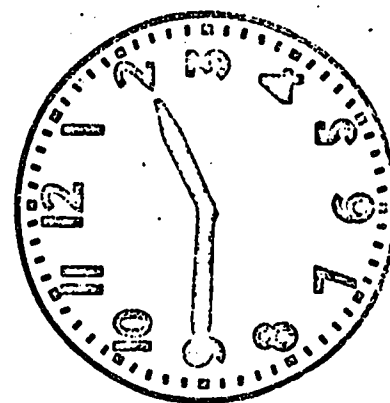
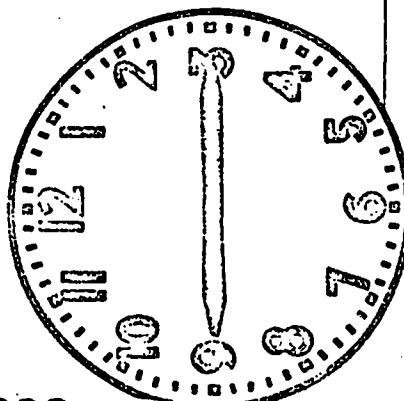
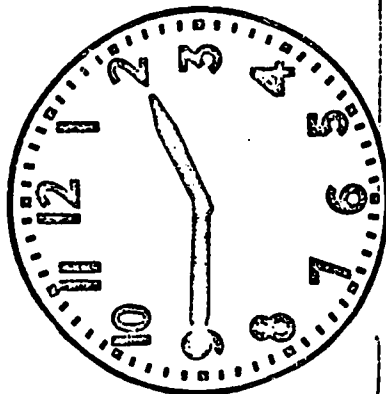
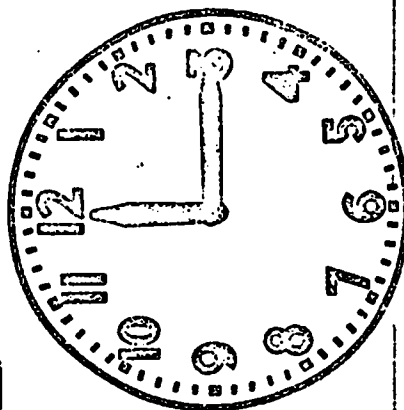
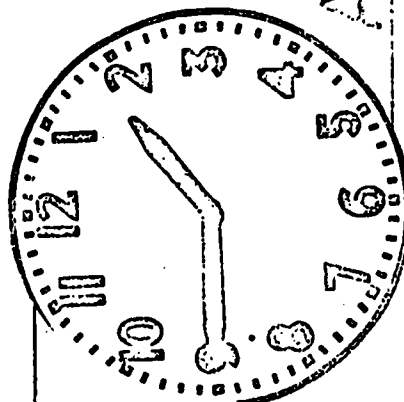
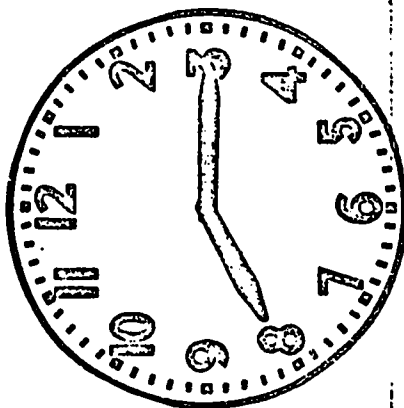
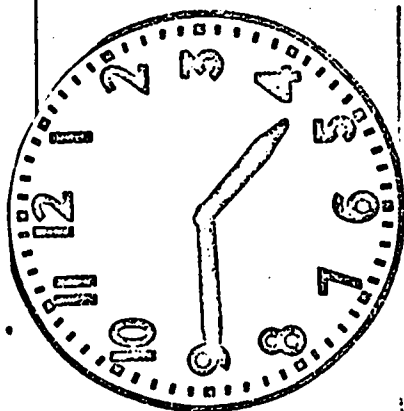
TIME

CLASS

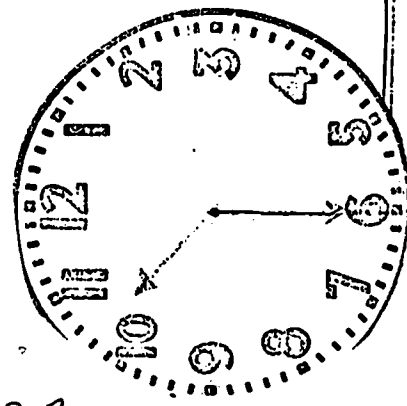
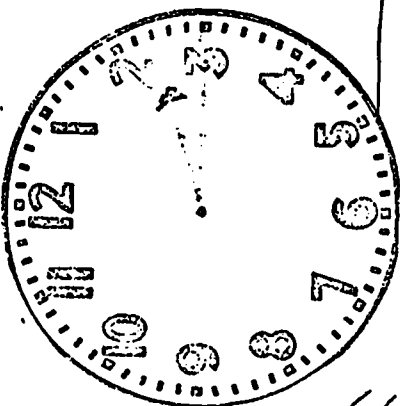
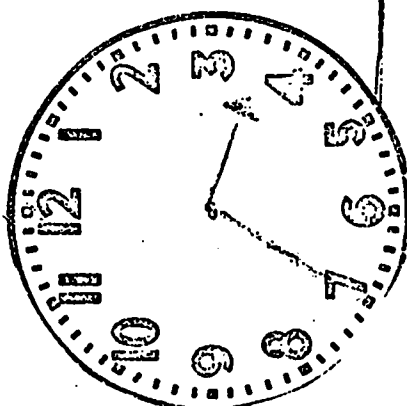
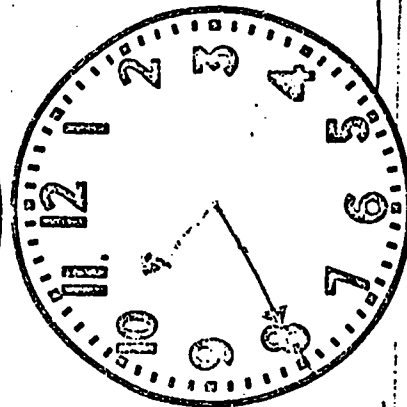
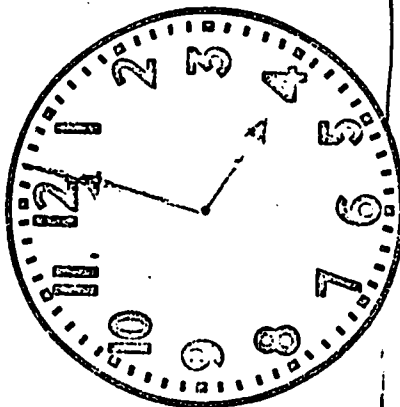
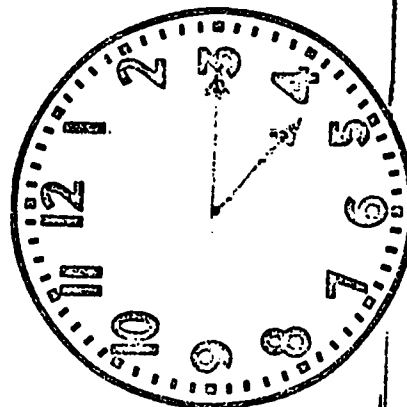
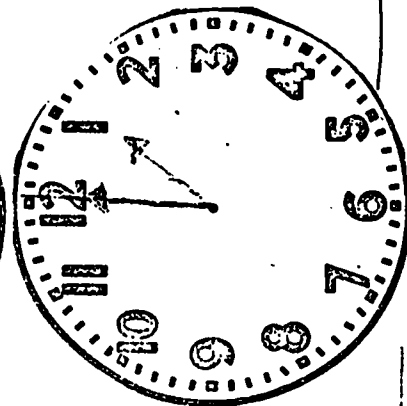
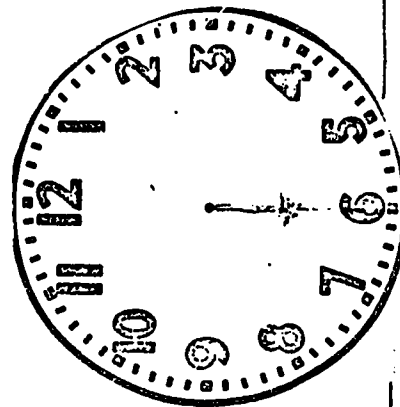
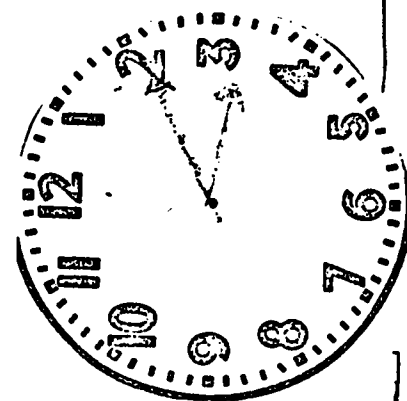
DATE

NAME

- A. 45 minutes past 1
- B. 15 minutes past 8
- C. 45 minutes past 2
- D. 15 minutes past 12
- E. 45 minutes past 6
- F. 45 minutes past 4
- G. 15 minutes past 9
- H. 45 minutes past 4
- I. 45 minutes past 2

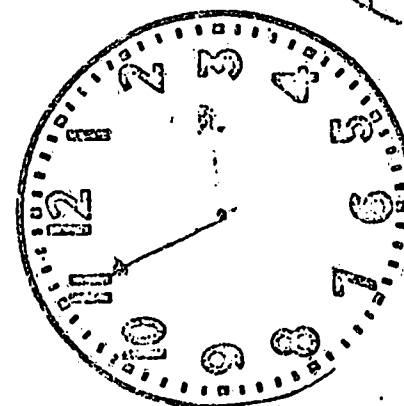
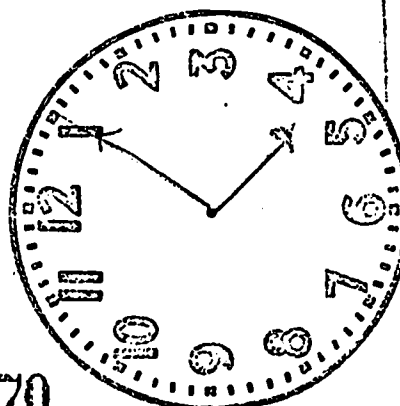
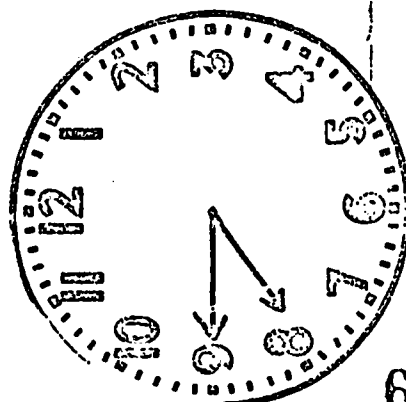
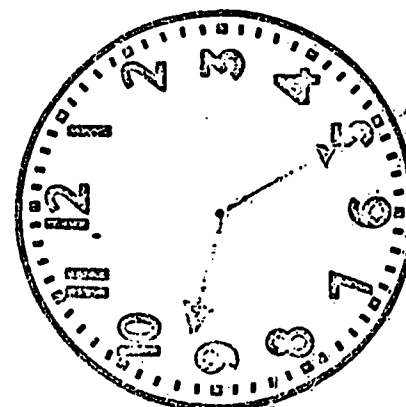
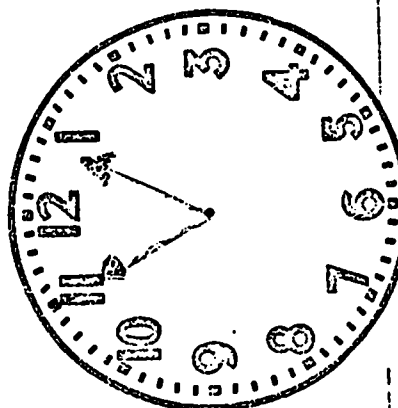
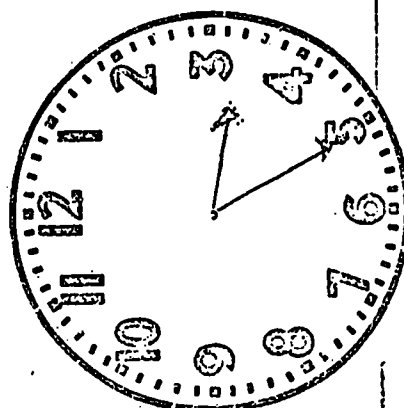
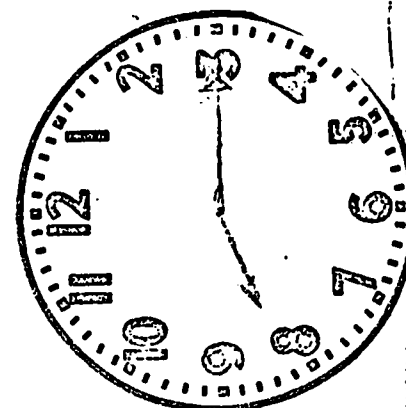
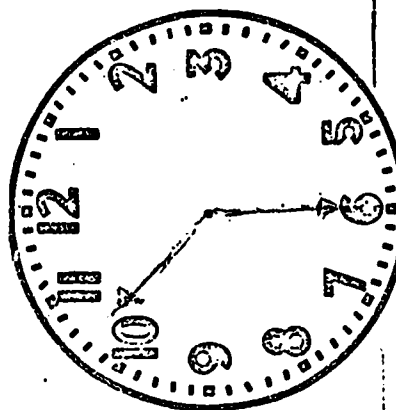
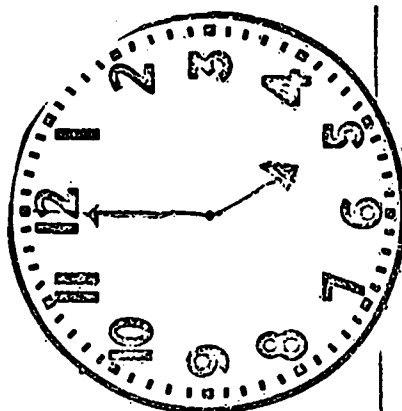


- | NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-----------------|
| | | | | A. 25 before 4 |
| | | | | B. 1 o'clock |
| | | | | C. 50 before 4 |
| | | | | D. 58 before 5 |
| | | | | E. 20 before 11 |
| | | | | F. 45 before 3 |
| | | | | G. 45 before 5 |
| | | | | H. 30 before 7 |
| | | | | I. 30 before 11 |



669A

- | NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-----------------------|
| | | | | A. 5 before 3 |
| | | | | B. 5 minutes after 4 |
| | | | | C. 15 minutes after 8 |
| | | | | D. 15 before 8 |
| | | | | E. 5 o'clock |
| | | | | F. 25 minutes past 9 |
| | | | | G. 25 minutes past 3 |
| | | | | H. 30 minutes past 10 |
| | | | | I. 5 before 1 |



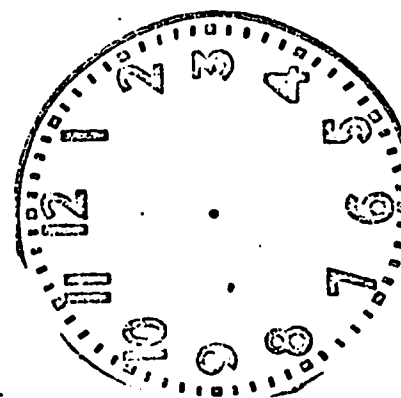
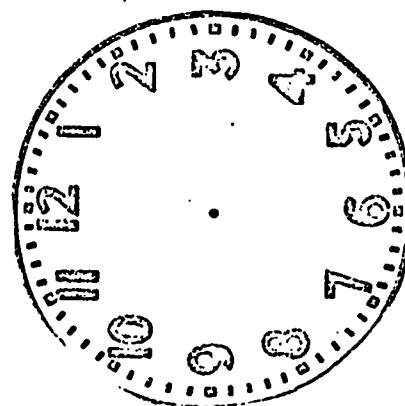
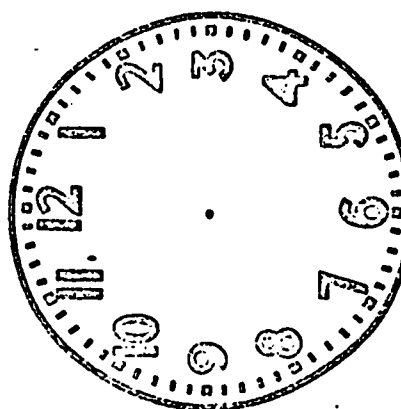
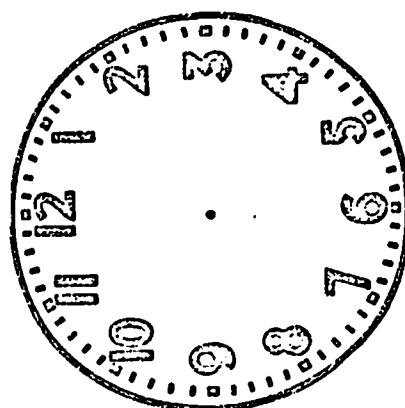
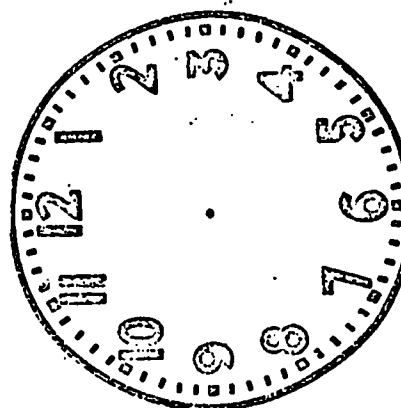
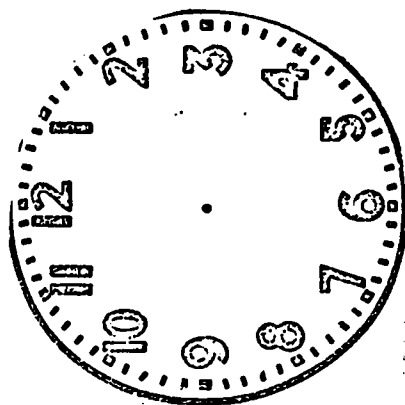
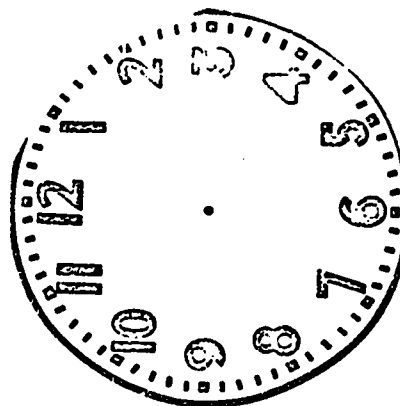
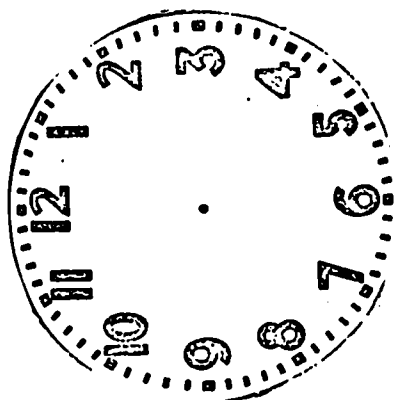
COUNT

TIME

CLASS

DATE

NAME



Supplying minute count.

NAME

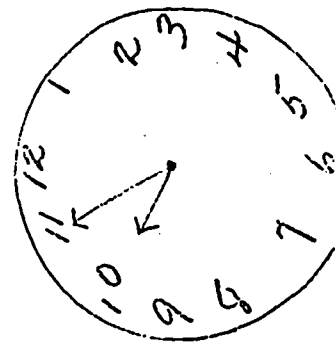
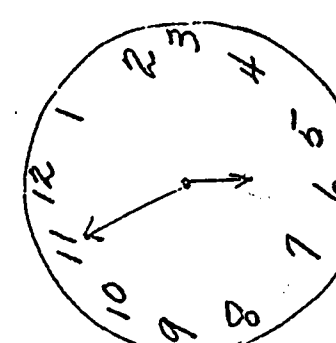
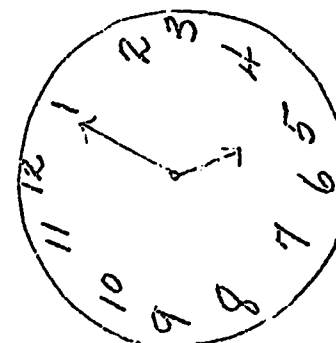
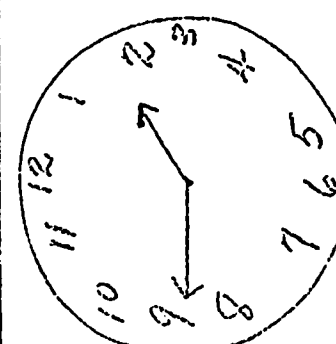
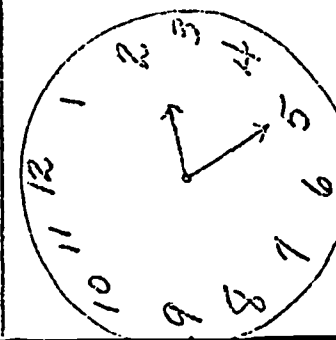
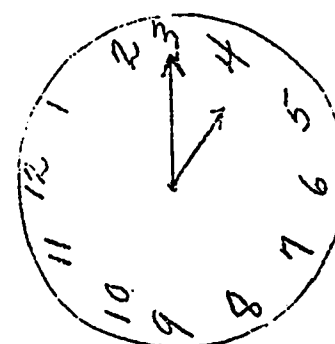
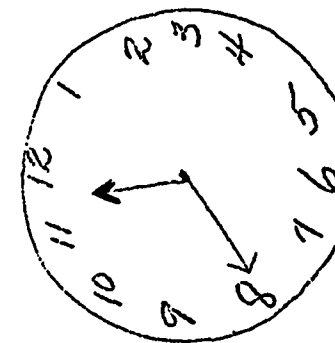
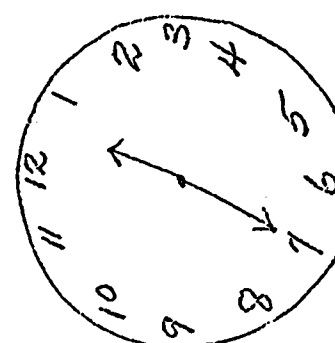
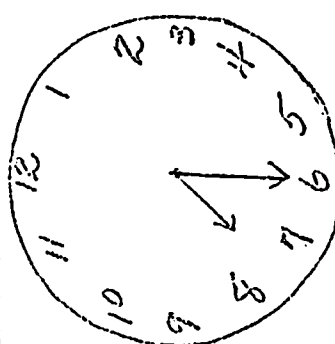
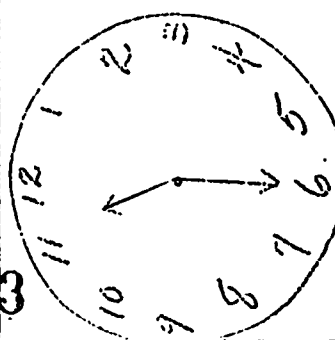
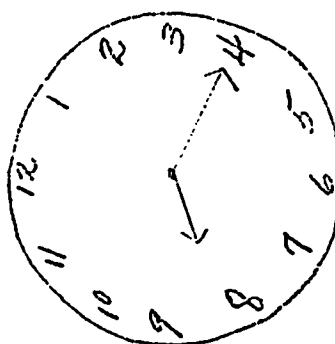
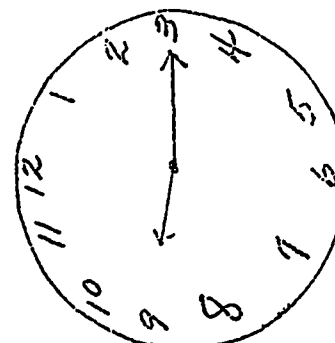
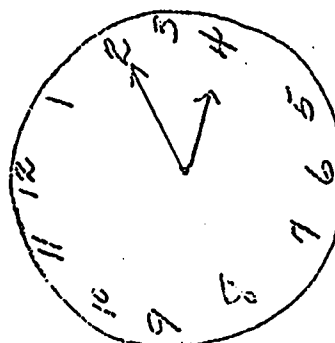
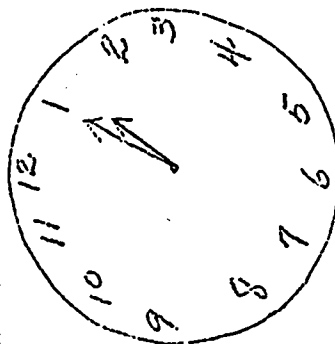
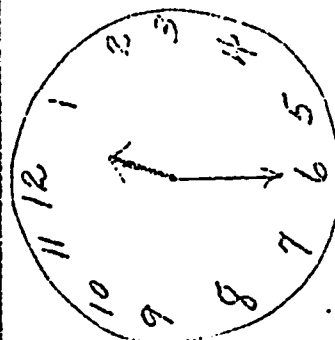
DATE

CLASS

TIME

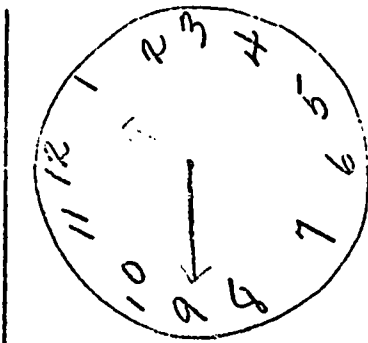
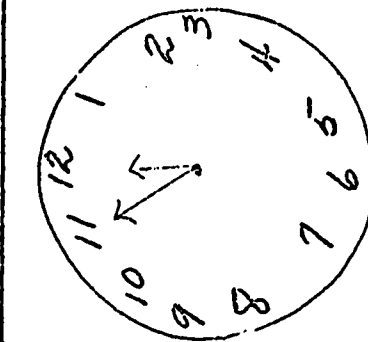
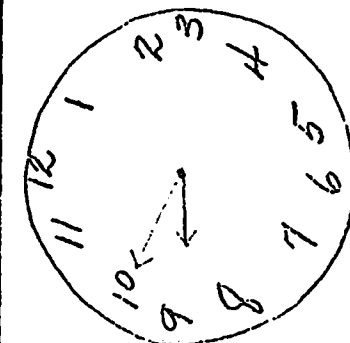
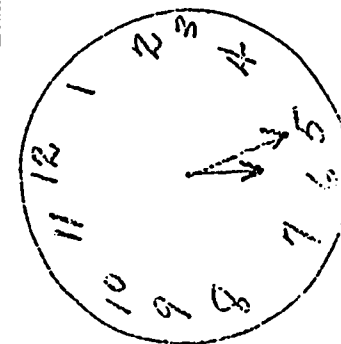
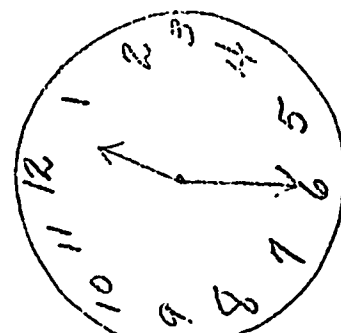
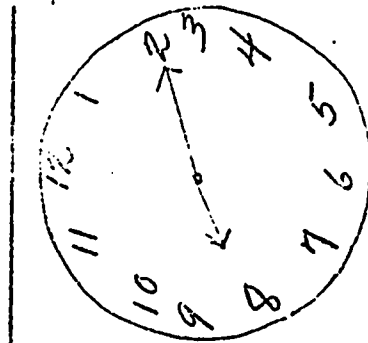
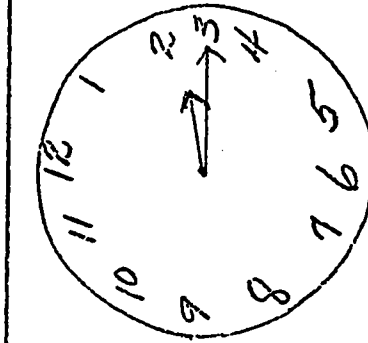
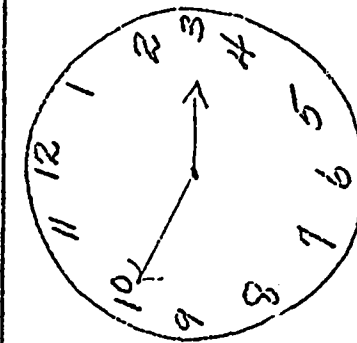
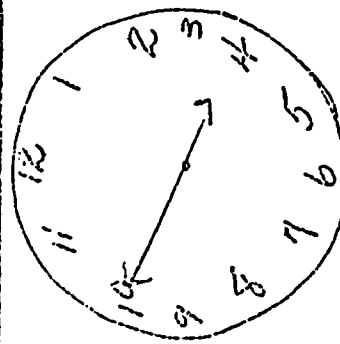
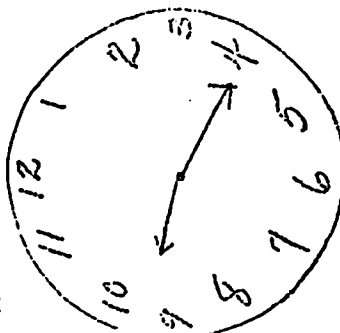
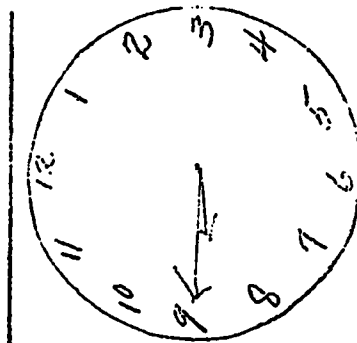
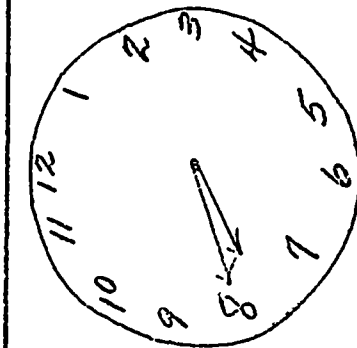
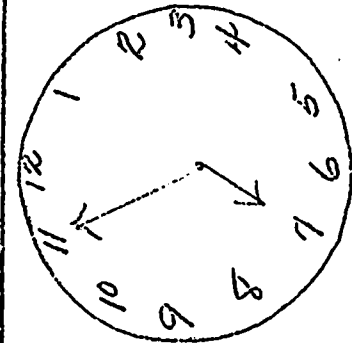
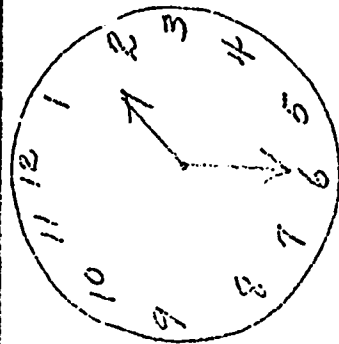
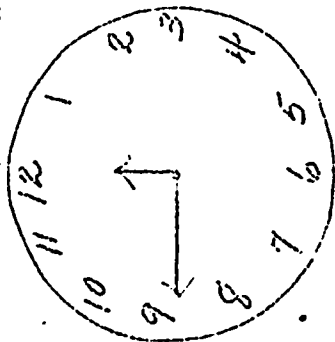
COUNT

Under the clock, write how many minutes there are after the hour shown



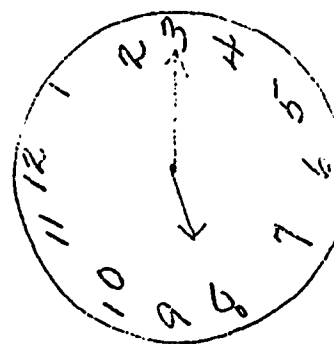
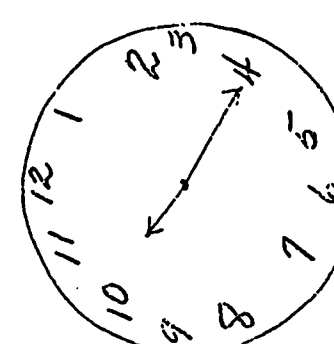
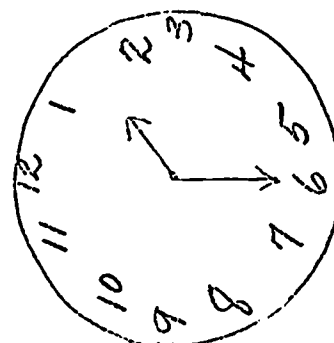
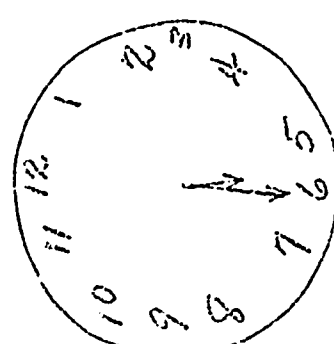
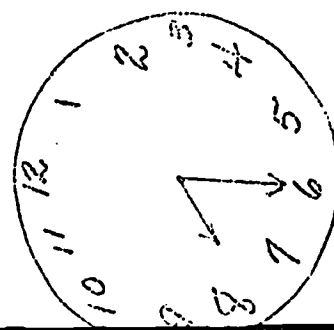
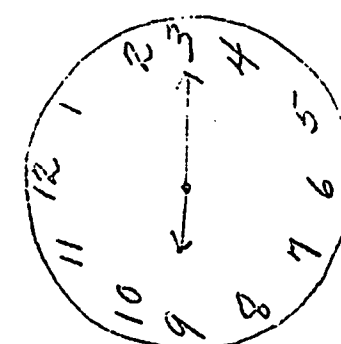
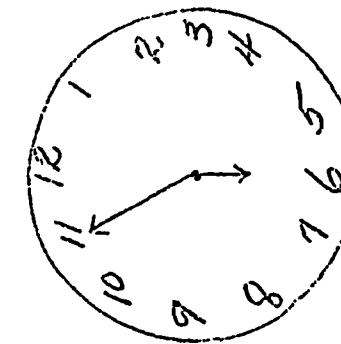
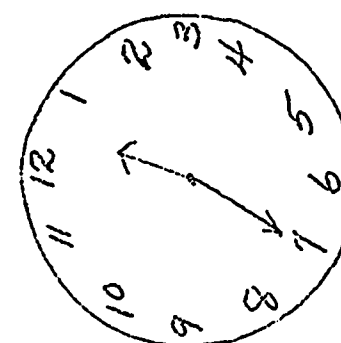
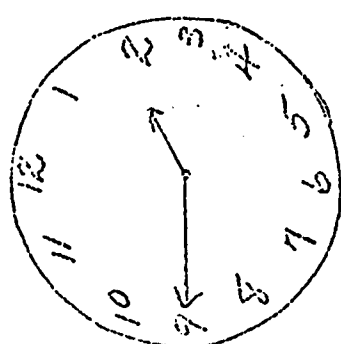
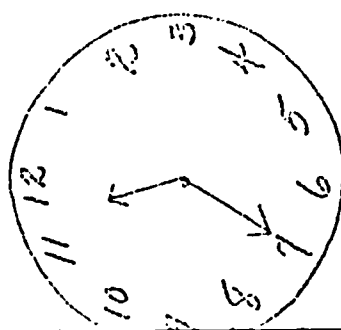
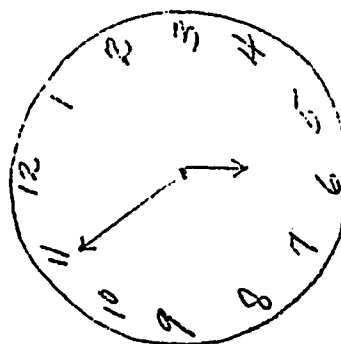
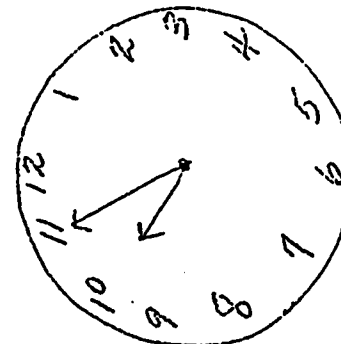
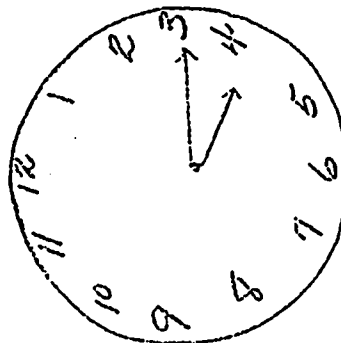
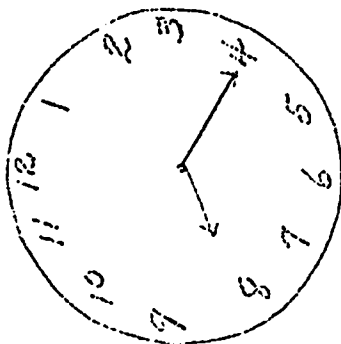
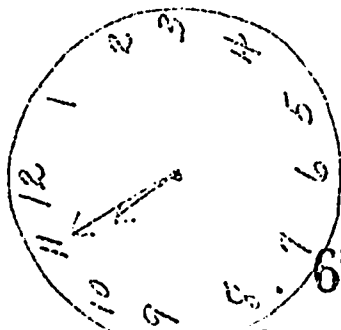
NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write the number of minutes until it will be the hour shown



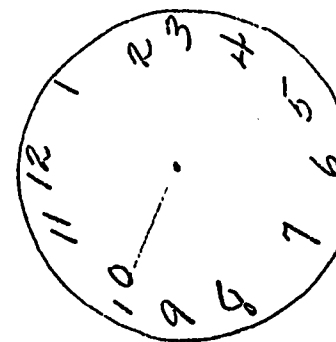
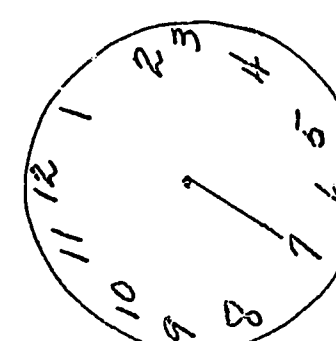
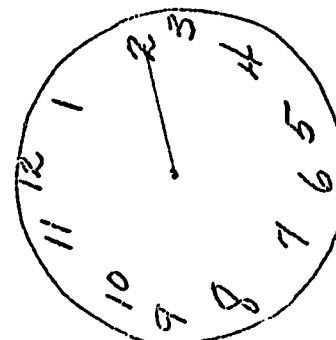
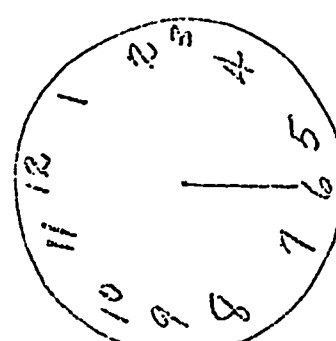
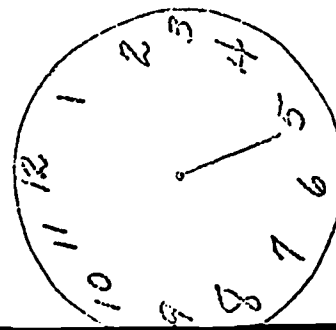
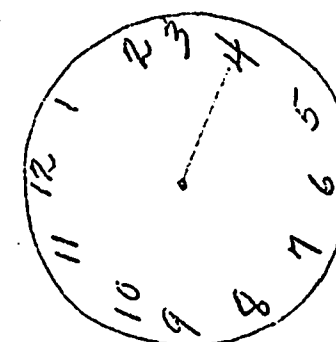
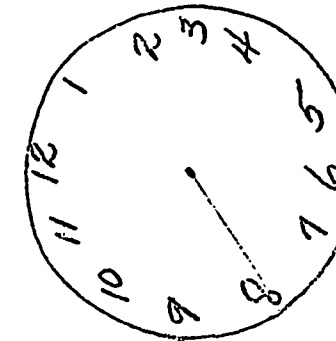
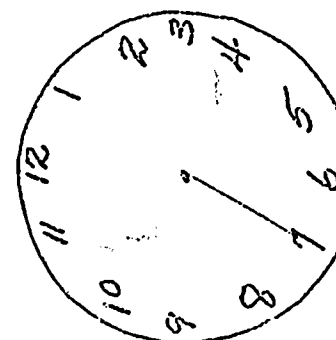
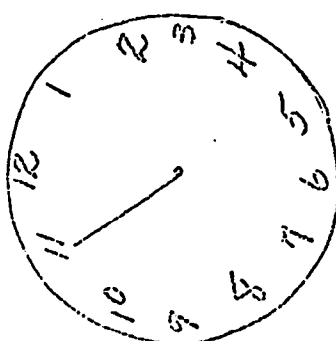
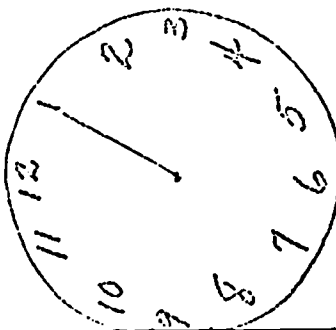
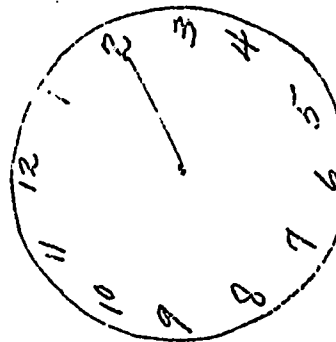
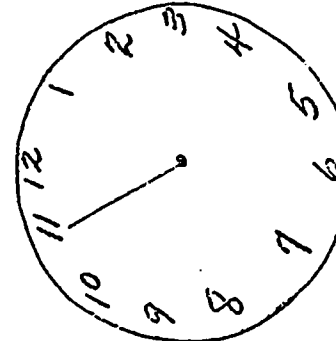
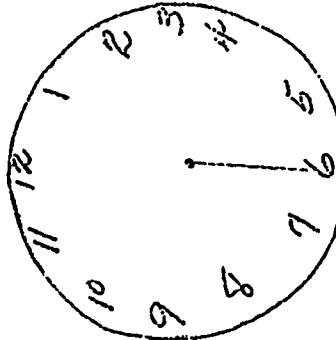
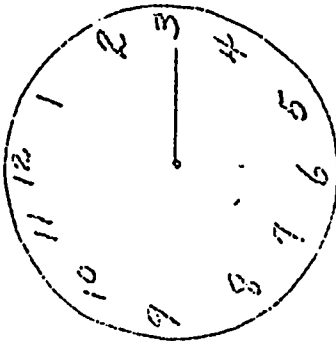
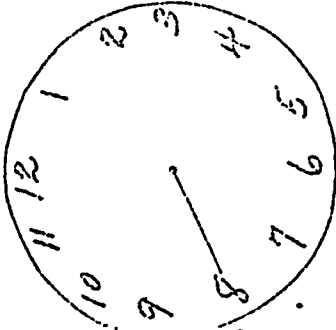
NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Under the clock, write how many minutes after the hour shown



NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write the number of minutes until it will be the hour shown



Supplying hour statement.

NAME

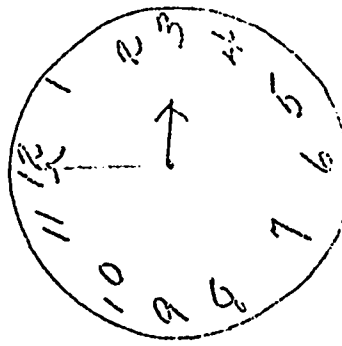
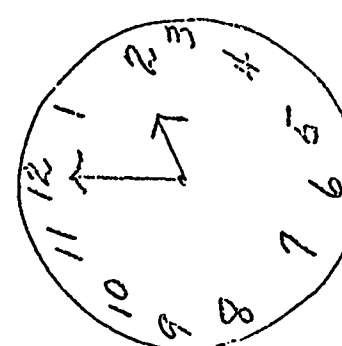
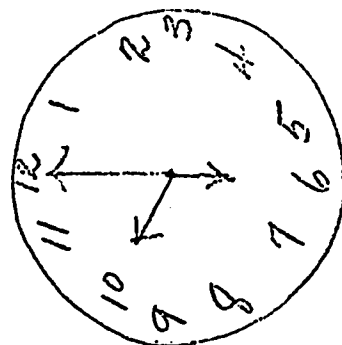
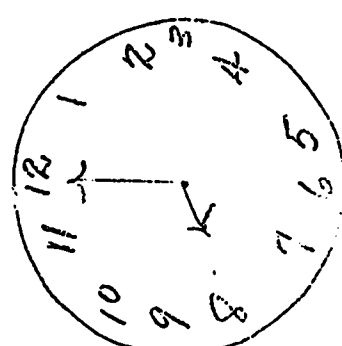
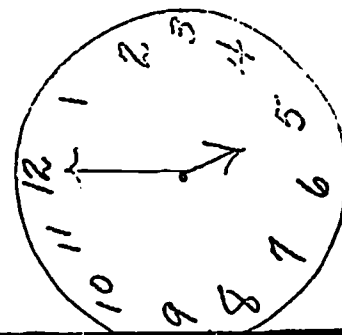
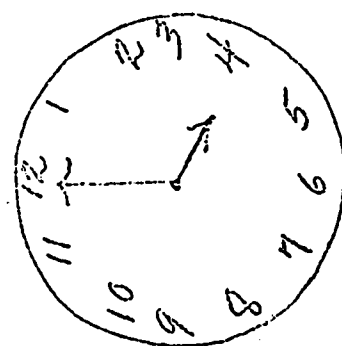
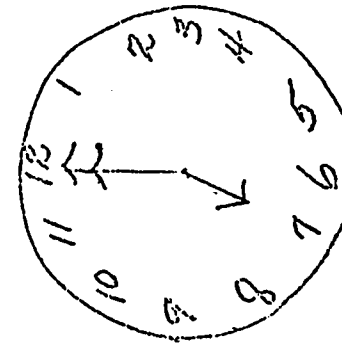
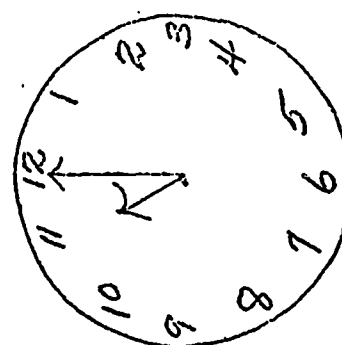
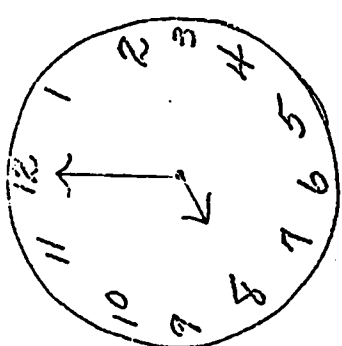
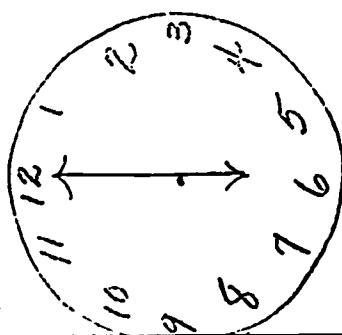
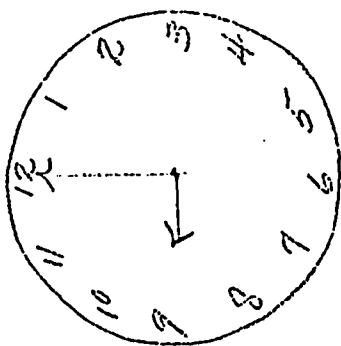
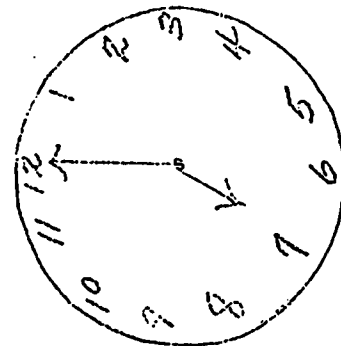
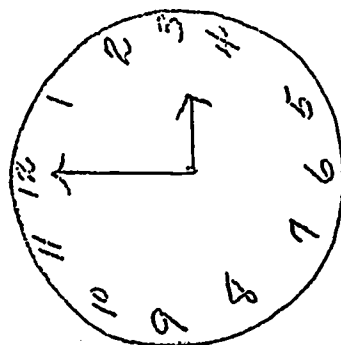
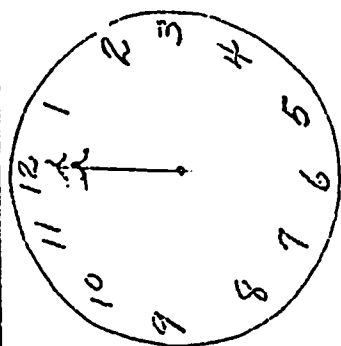
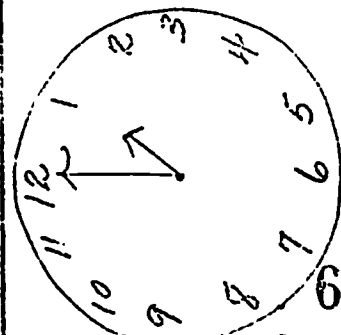
DATE

CLASS

TIME

COUNT

Write the correct hour beneath the clock



COUNT

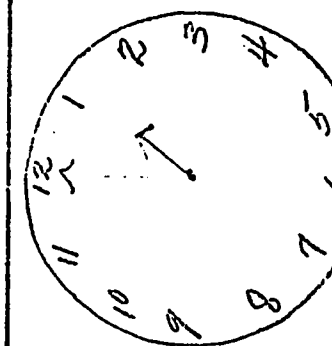
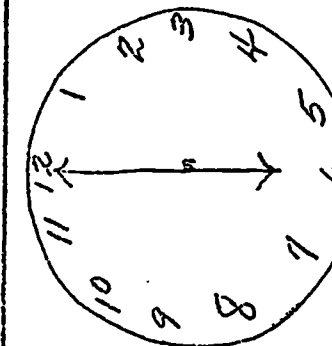
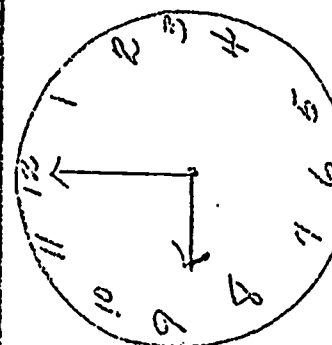
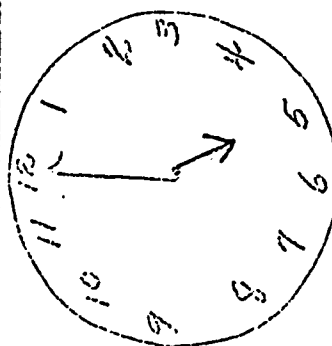
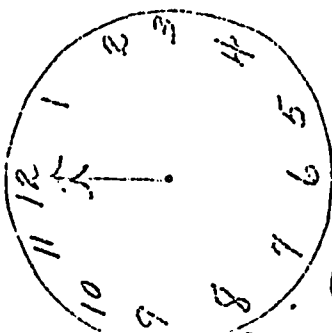
TIME

CLASS

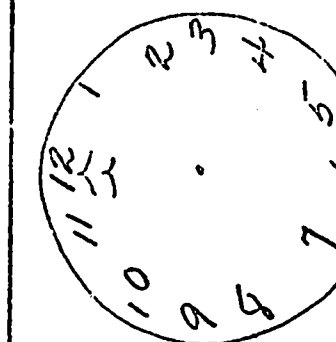
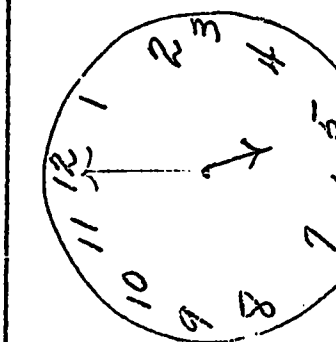
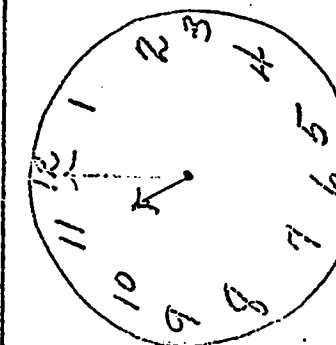
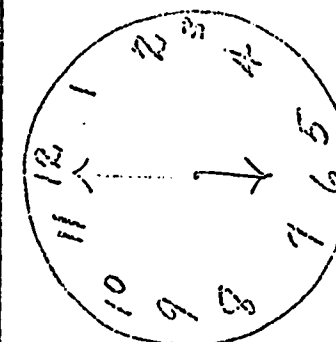
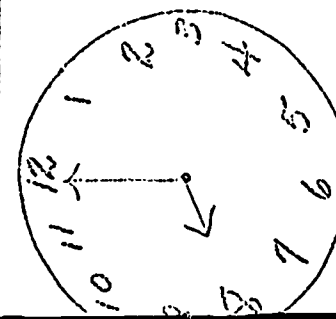
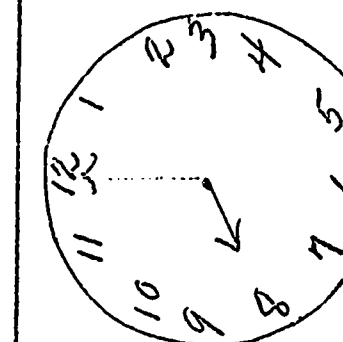
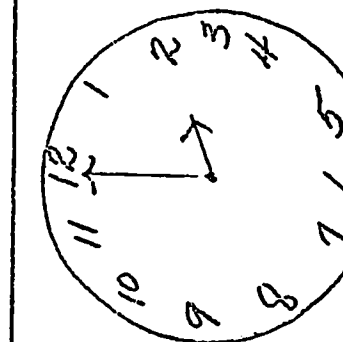
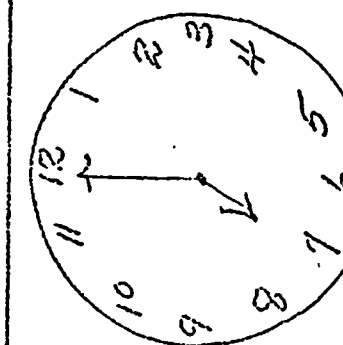
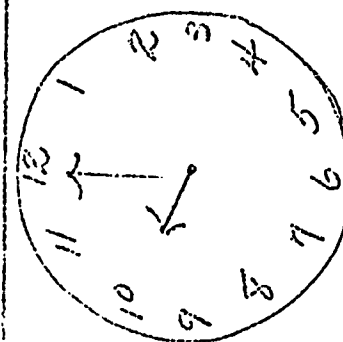
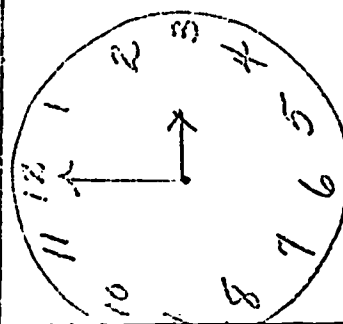
DATE

NAME

Write the hour beneath the clock



679



COUNT

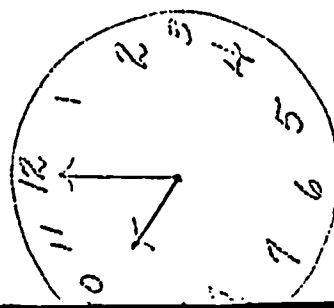
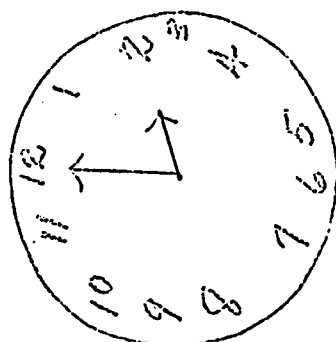
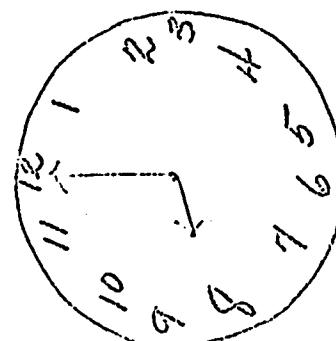
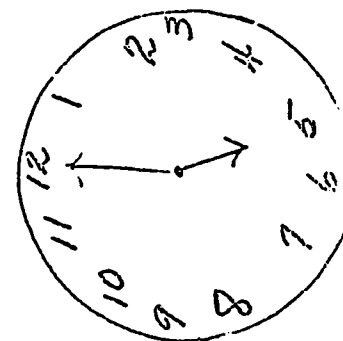
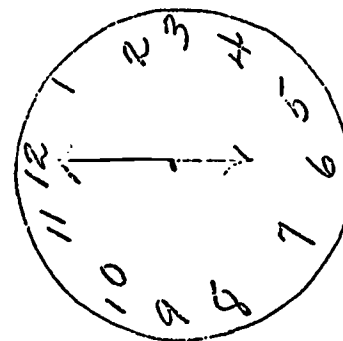
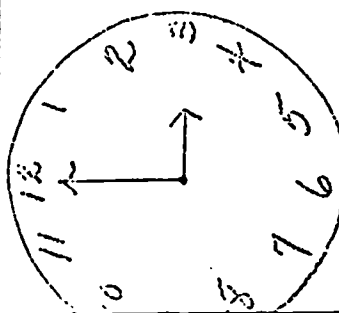
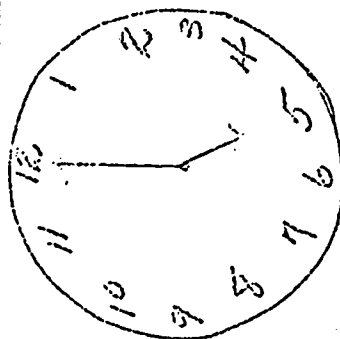
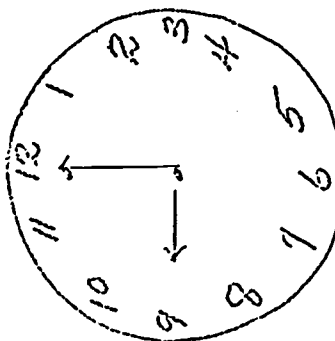
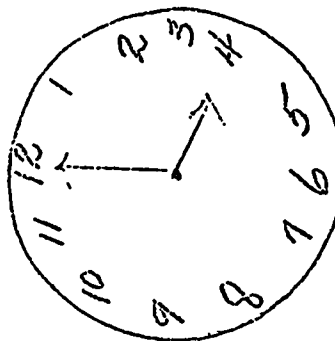
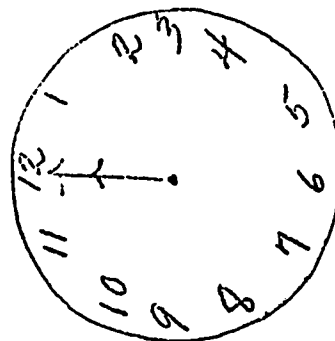
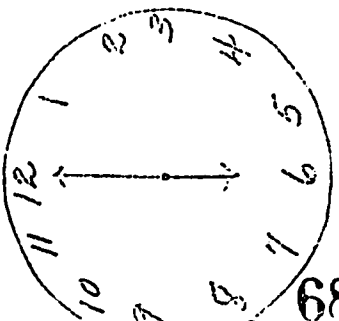
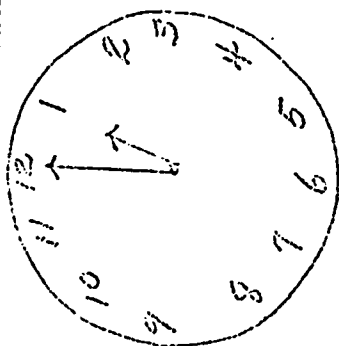
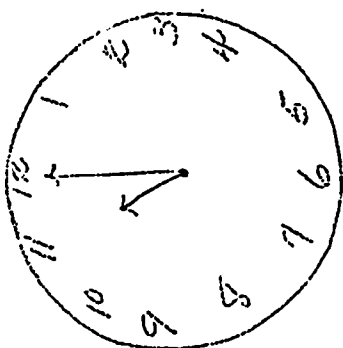
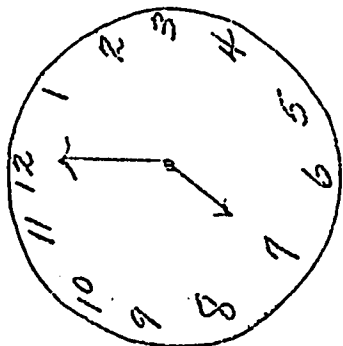
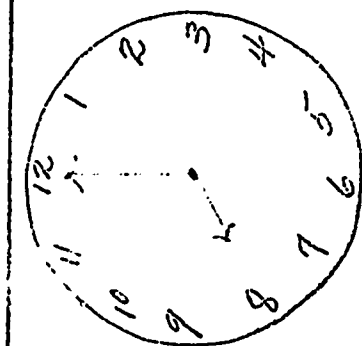
TIME

CLASS

DATE

NAME

Write the hour beneath the clock



COUNT

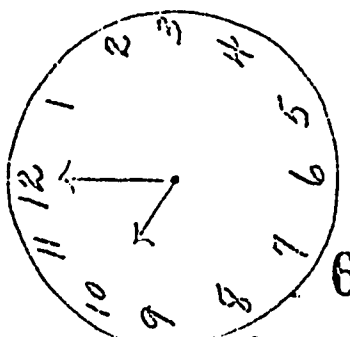
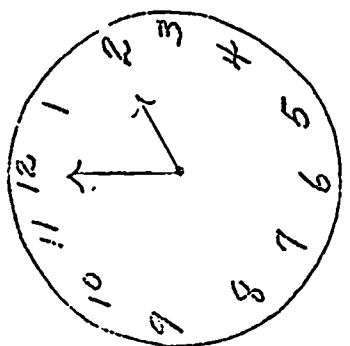
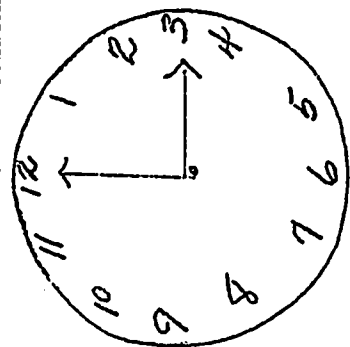
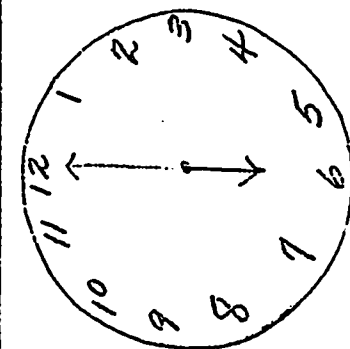
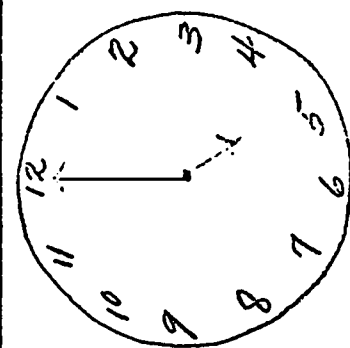
TIME

CLASS

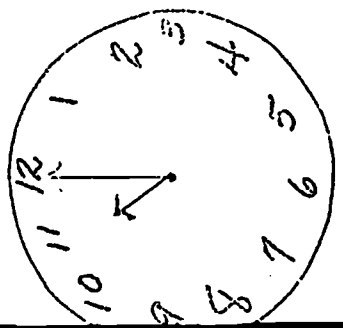
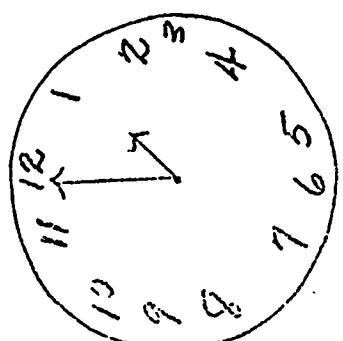
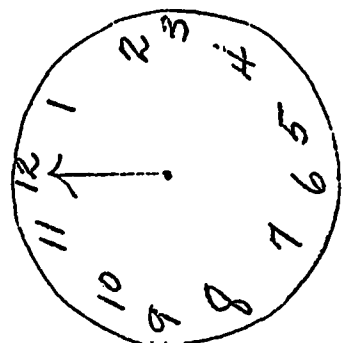
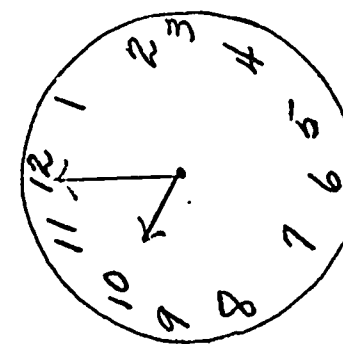
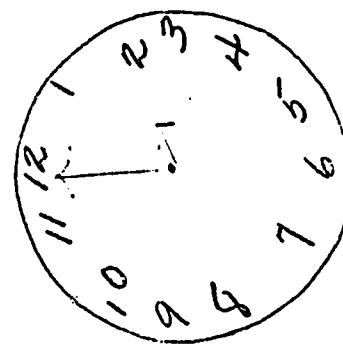
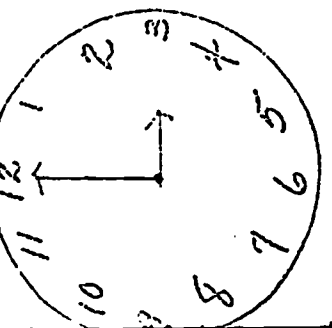
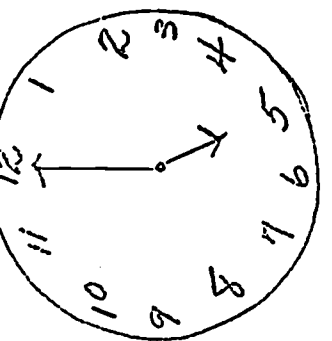
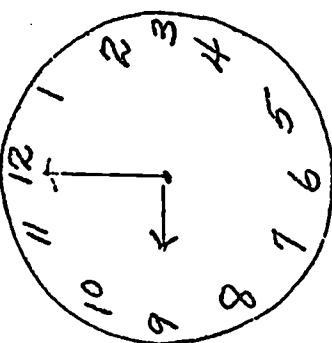
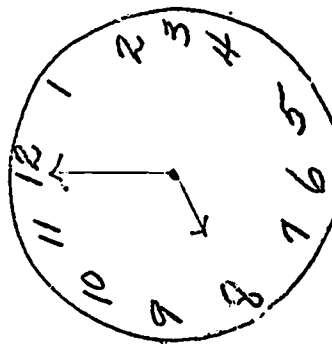
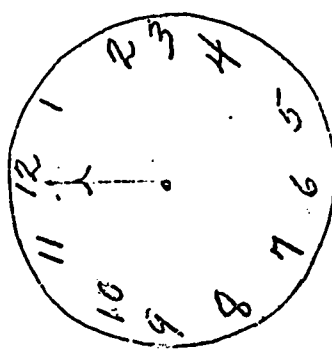
DATE

NAME

Write the hour beneath the clock



681



COUNT

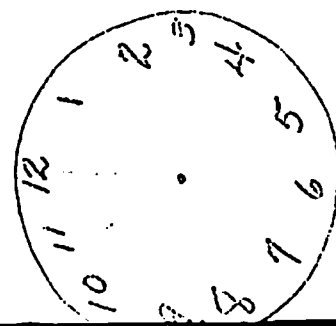
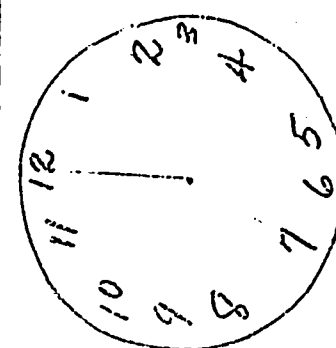
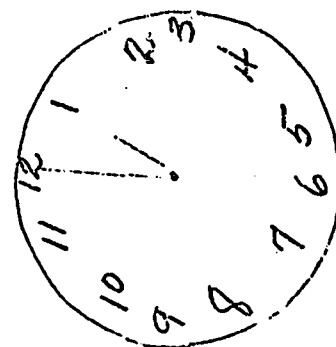
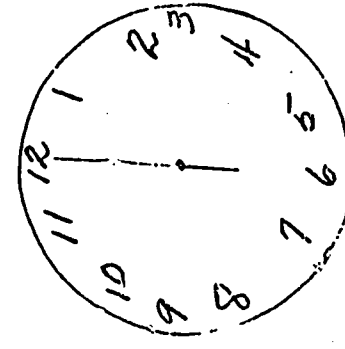
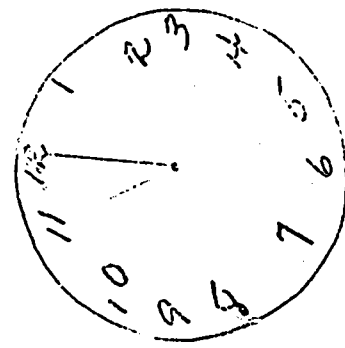
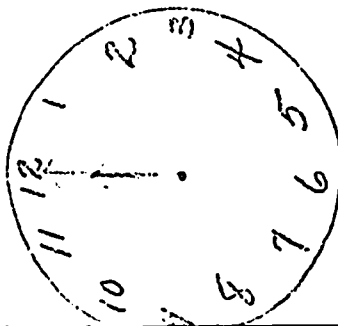
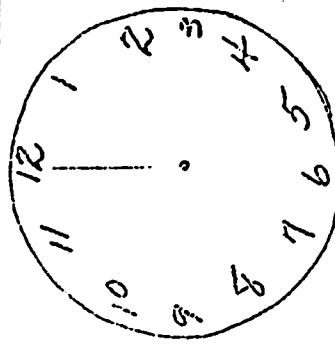
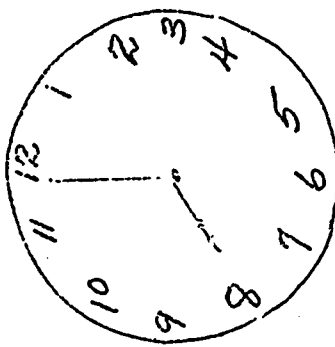
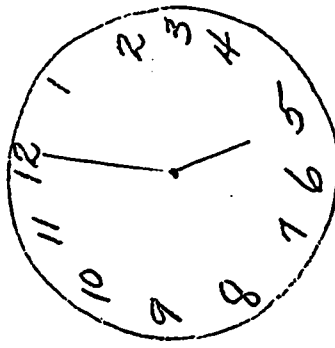
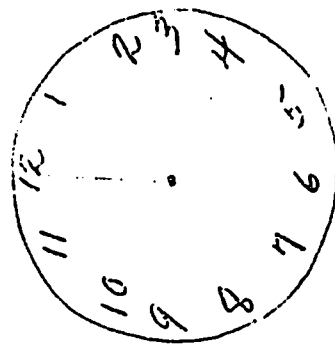
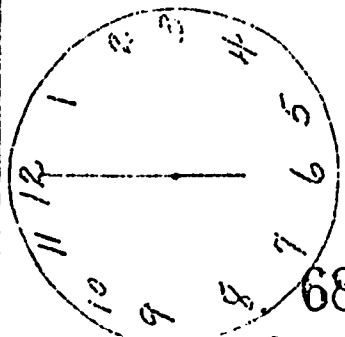
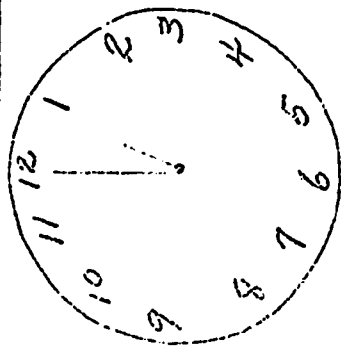
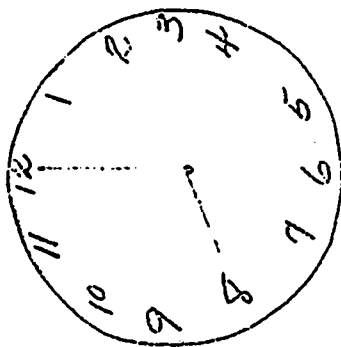
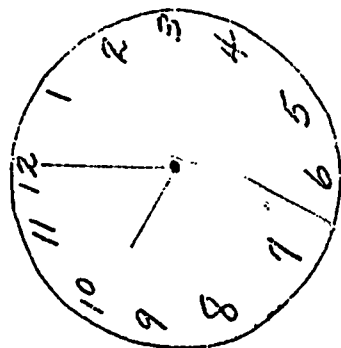
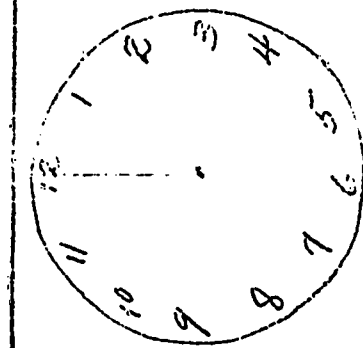
TIME

CLASS

DATE

NAME

Beneath each clock write what hour it is



COUNT

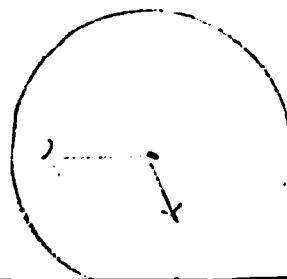
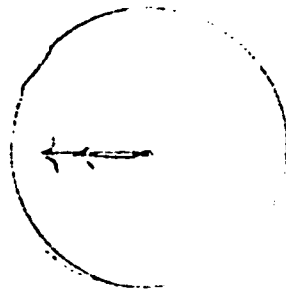
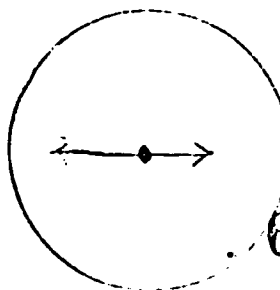
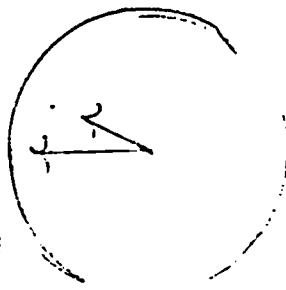
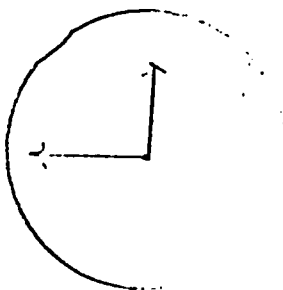
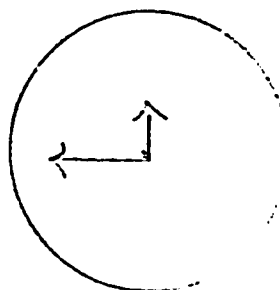
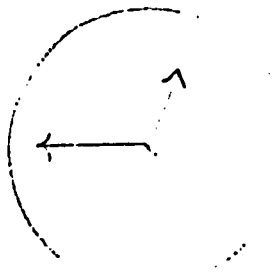
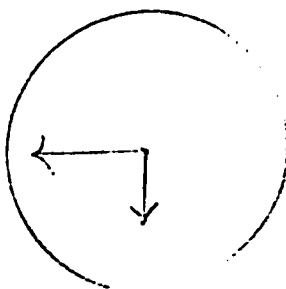
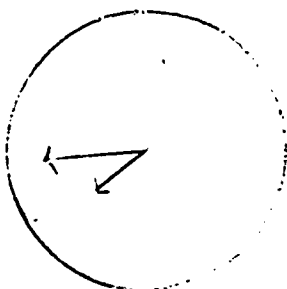
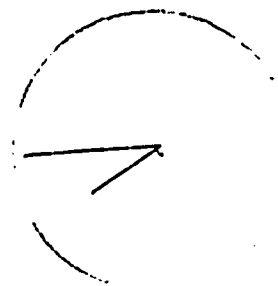
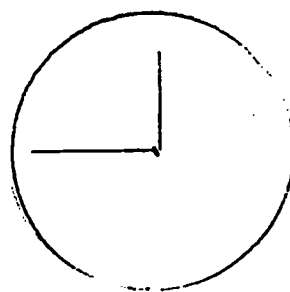
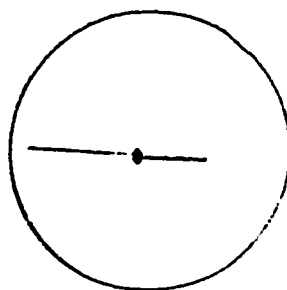
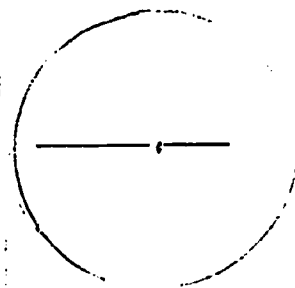
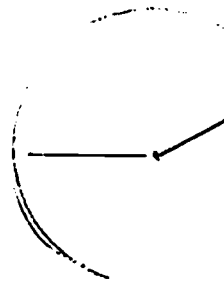
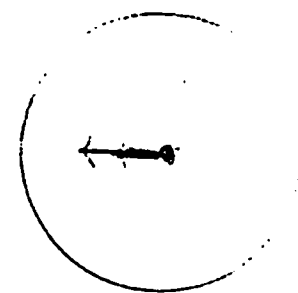
TIME

CLASS

DATE

NAME

Beneath each clock write the hour shown on the clock face.



COUNT

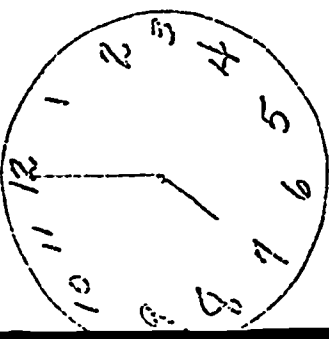
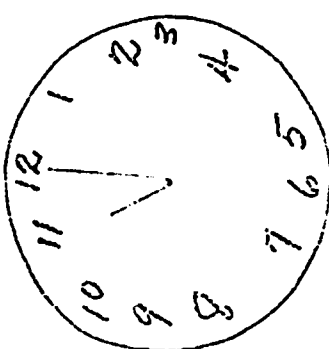
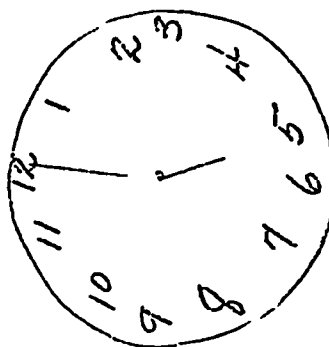
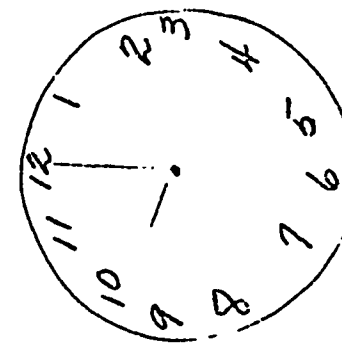
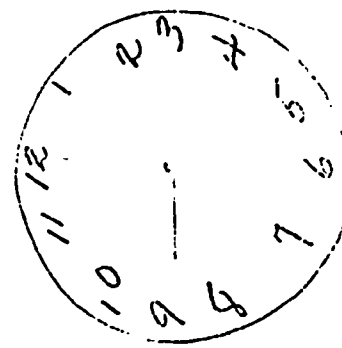
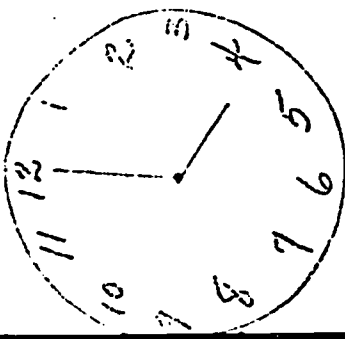
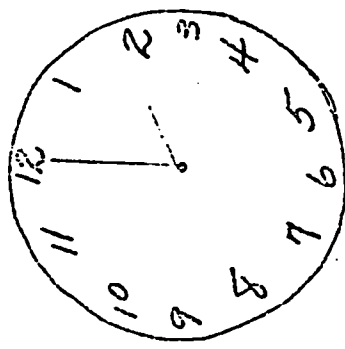
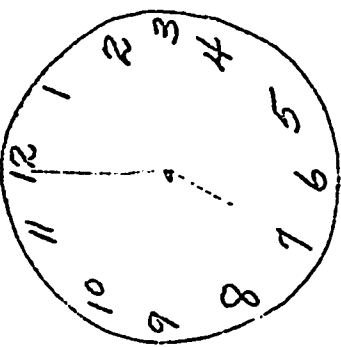
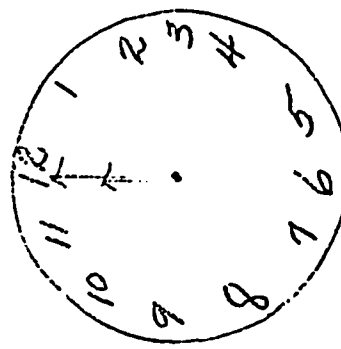
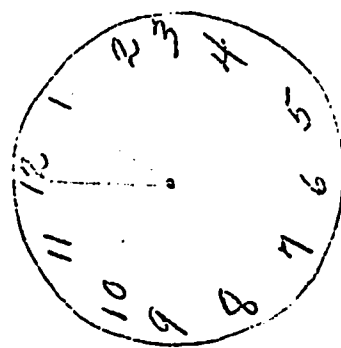
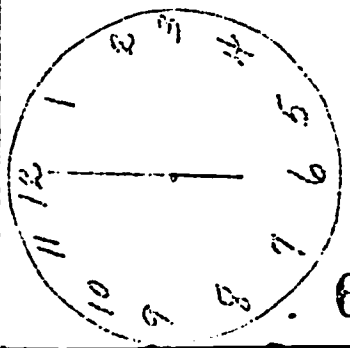
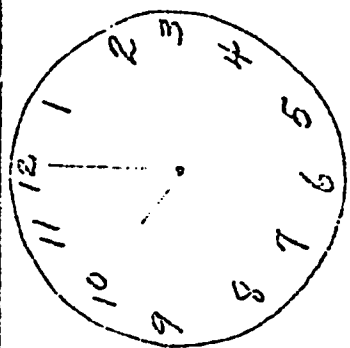
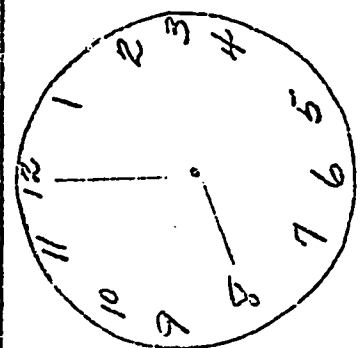
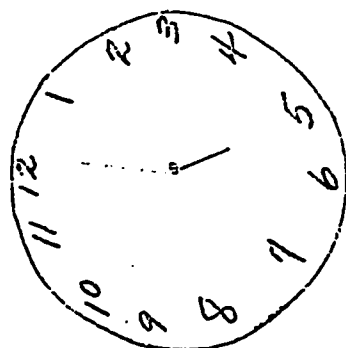
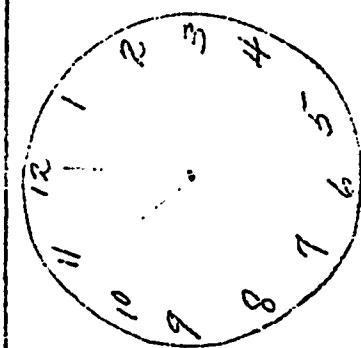
TIME

CLASS

DATE

NAME

Beneath the clock, write what time it is



COUNT

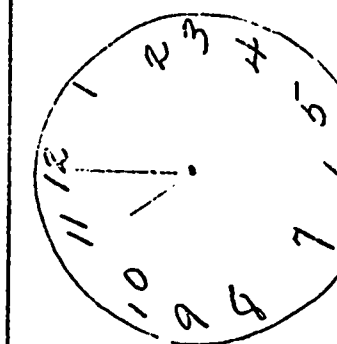
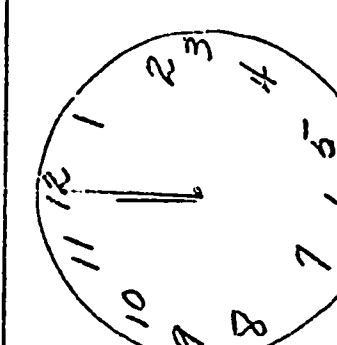
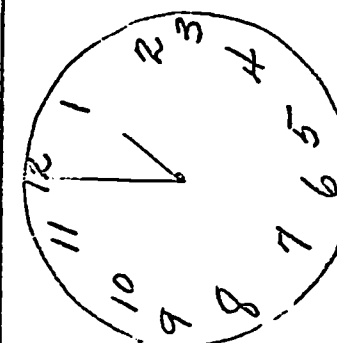
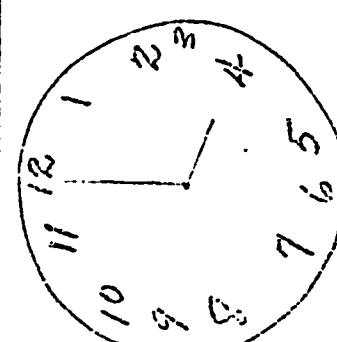
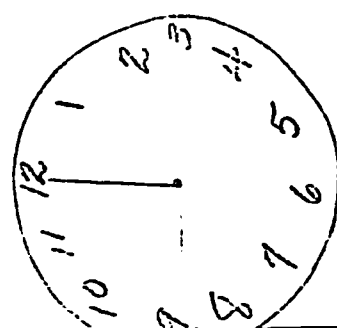
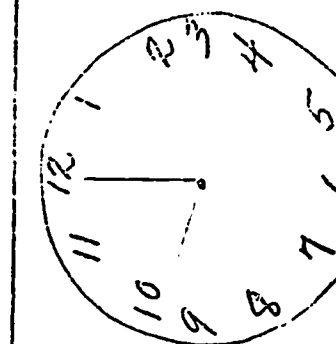
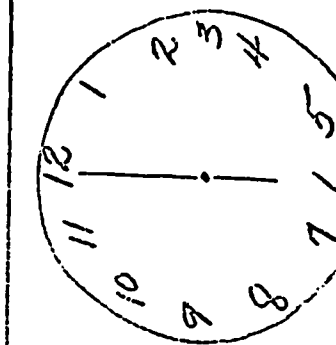
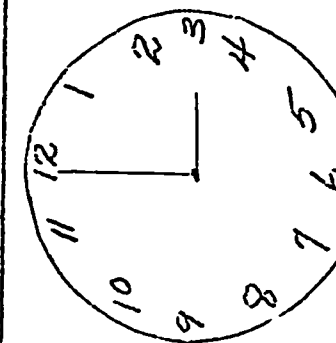
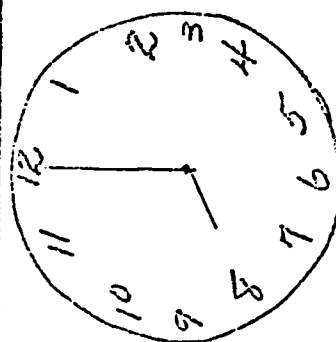
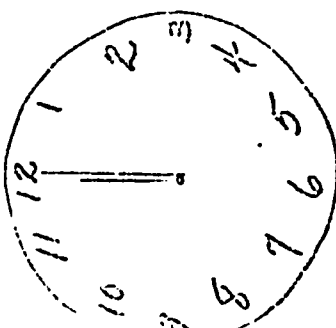
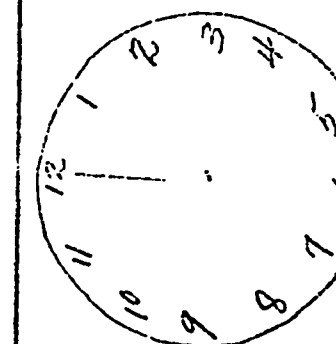
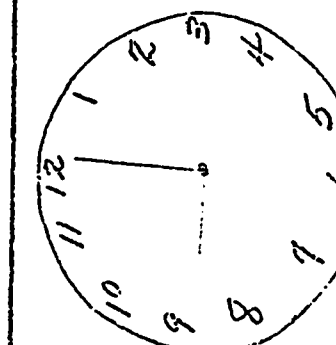
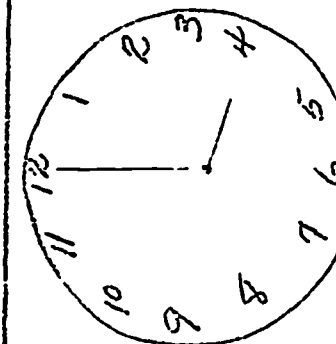
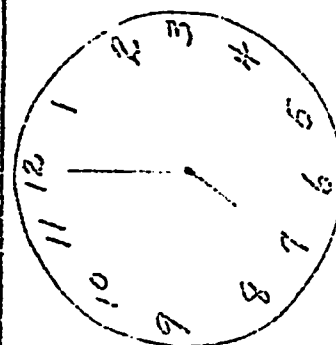
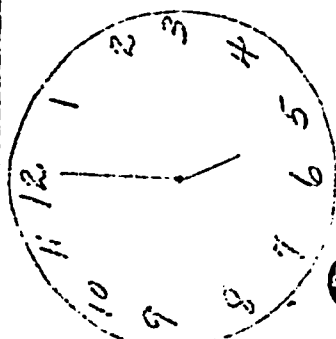
TIME

CLASS

DATE

NAME

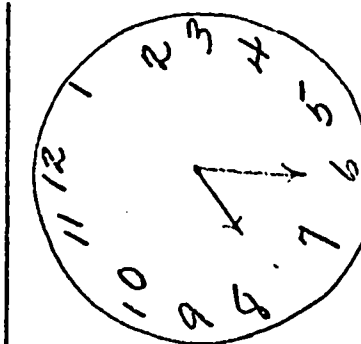
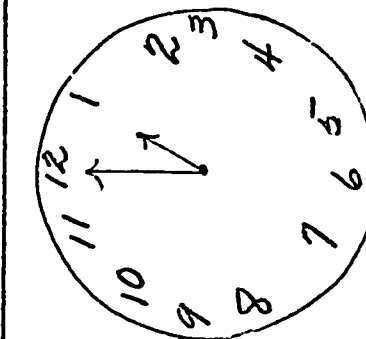
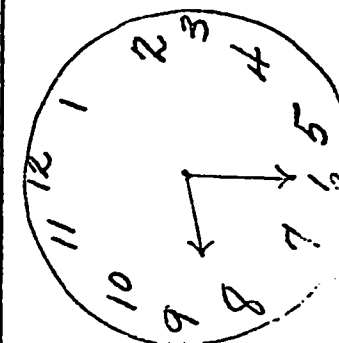
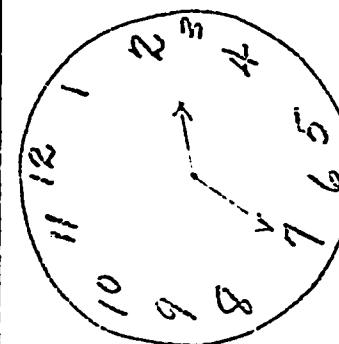
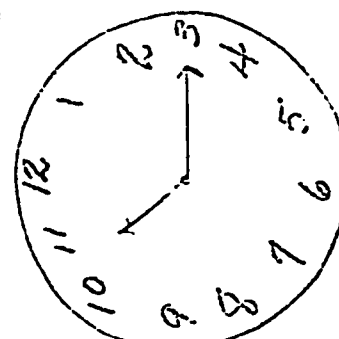
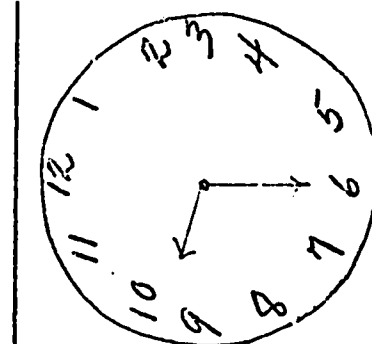
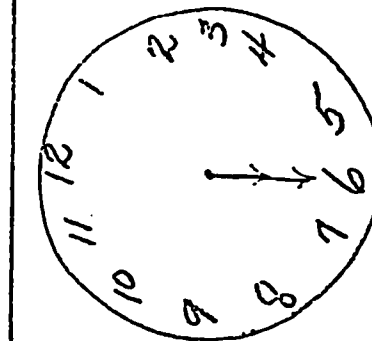
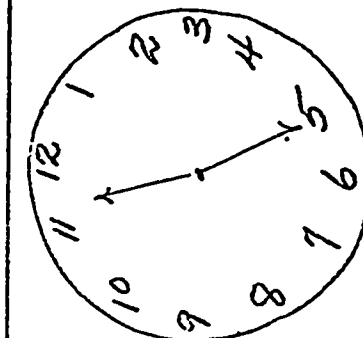
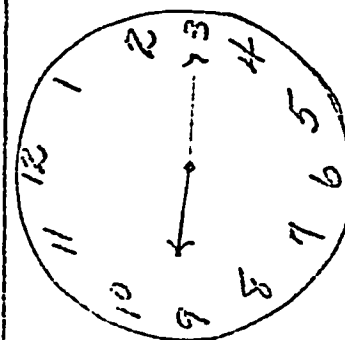
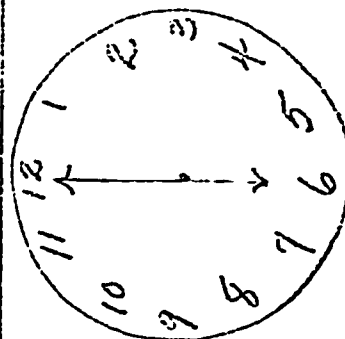
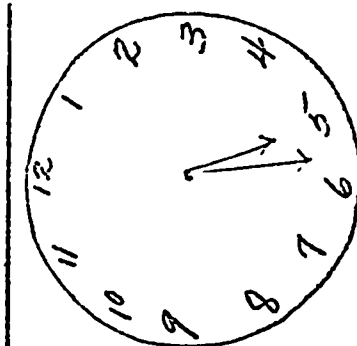
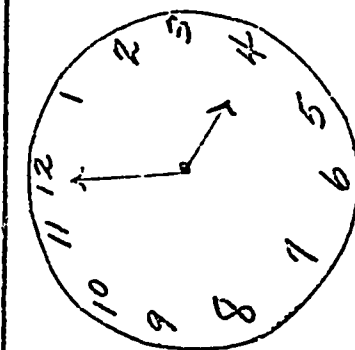
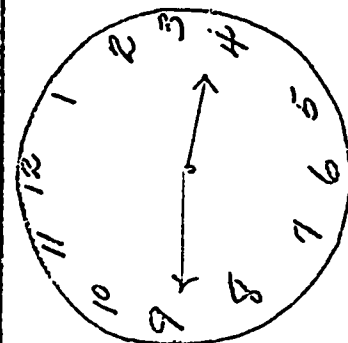
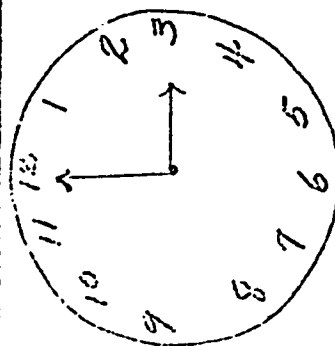
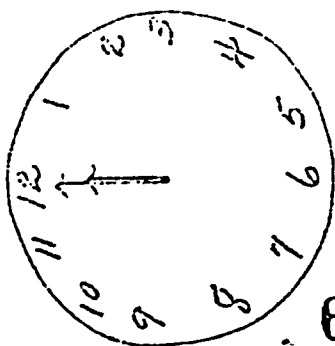
Write the hour shown right beneath the clock



Writing time from clock face.

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write the time in hours and minutes beneath each clock



NAME

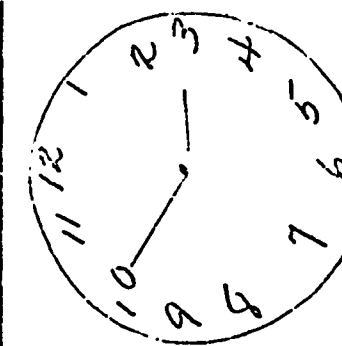
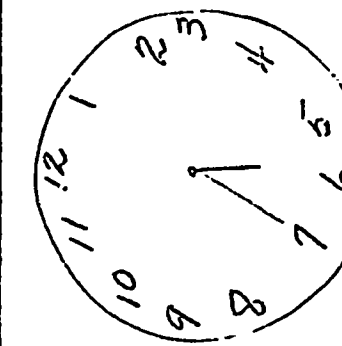
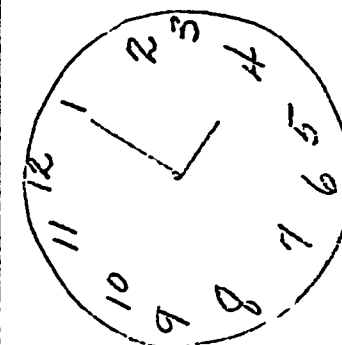
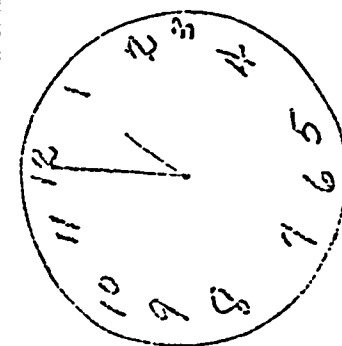
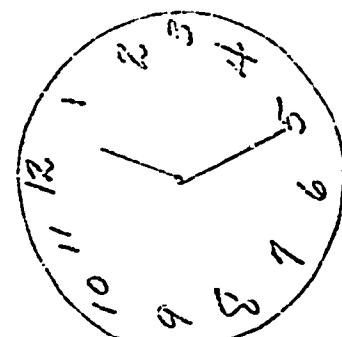
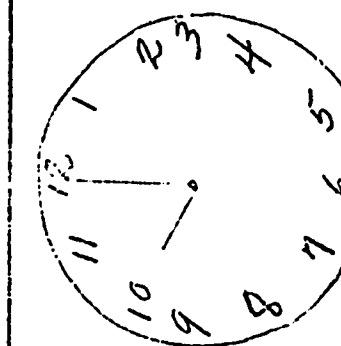
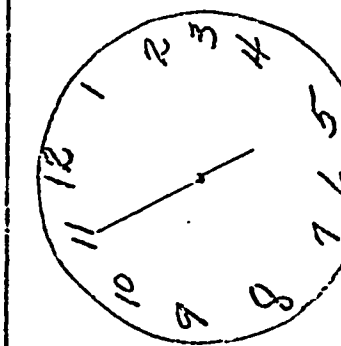
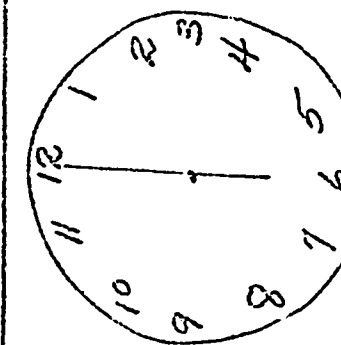
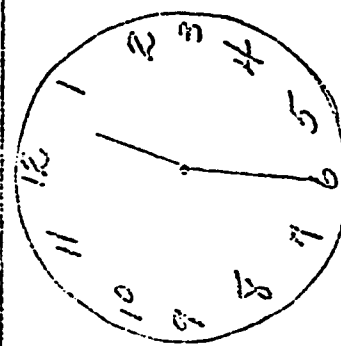
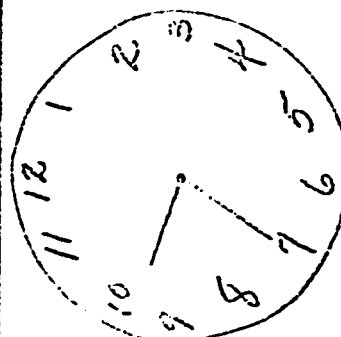
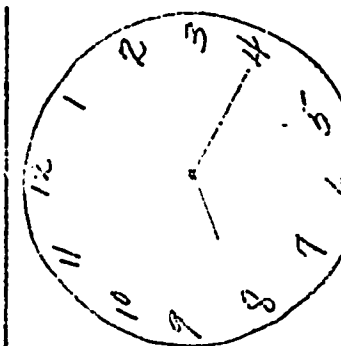
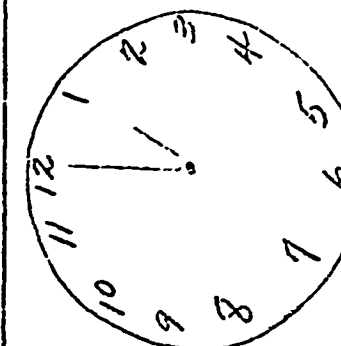
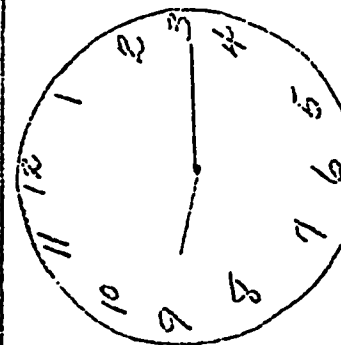
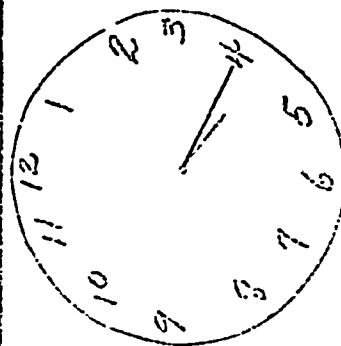
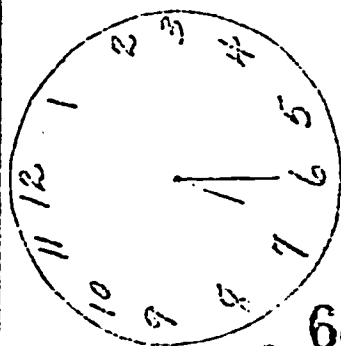
DATE

CLASS

TIME

COUNT

Write the time in hours and minutes beneath each clock



COUNT

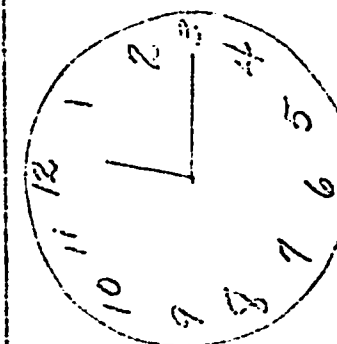
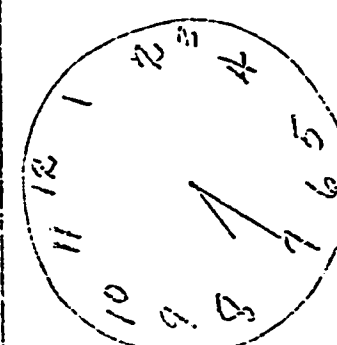
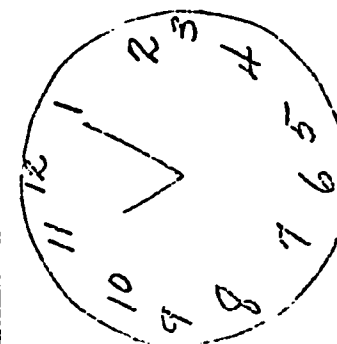
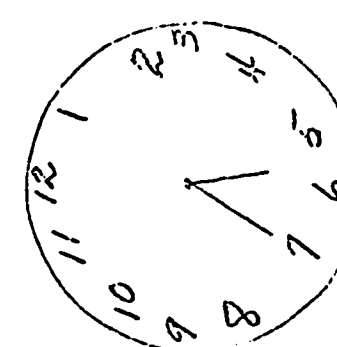
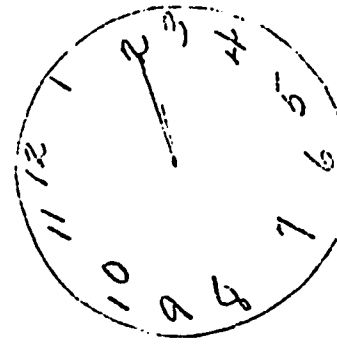
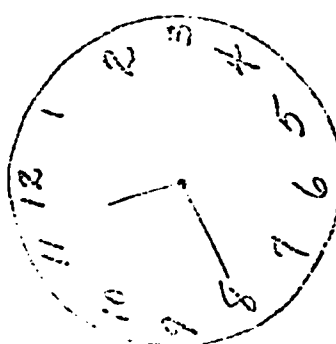
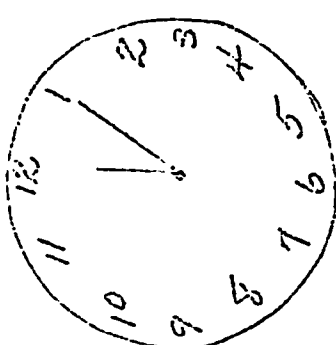
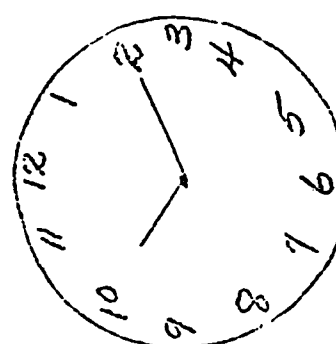
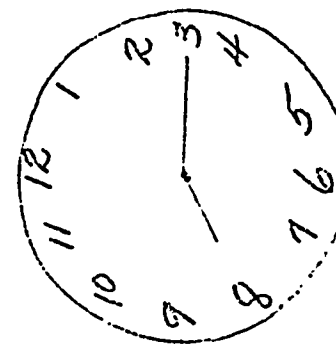
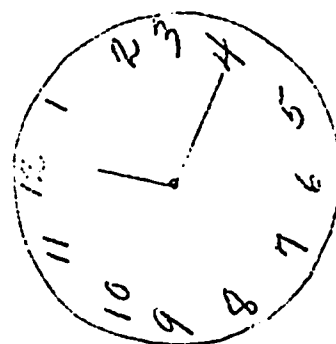
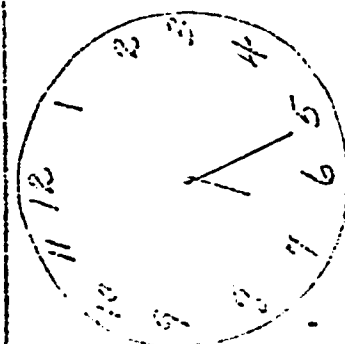
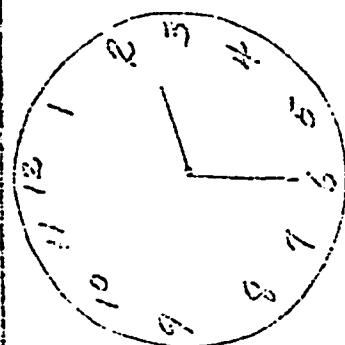
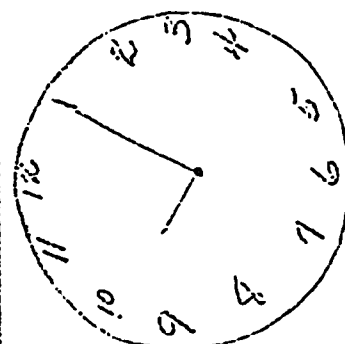
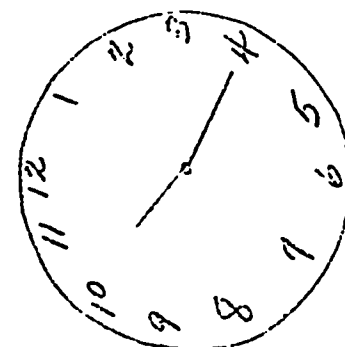
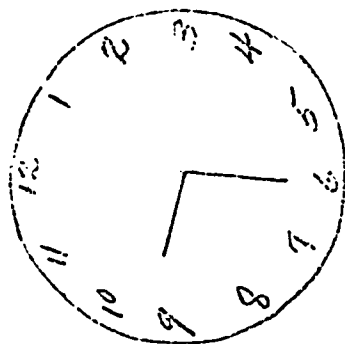
TIME

CLASS

DATE

NAME

Write the time in hours and minutes ~~at~~ beneath each clock



NAME

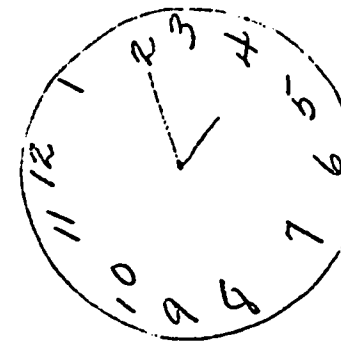
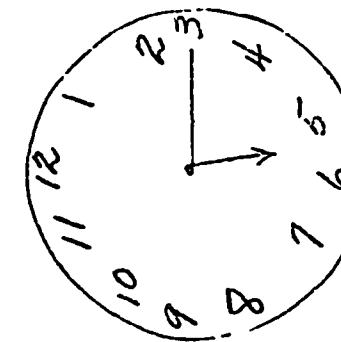
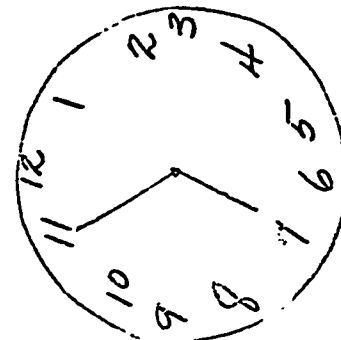
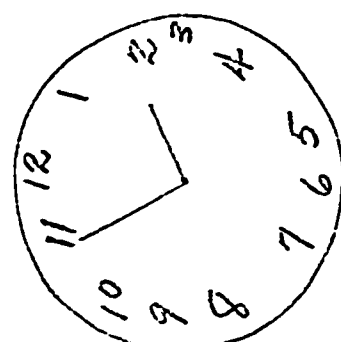
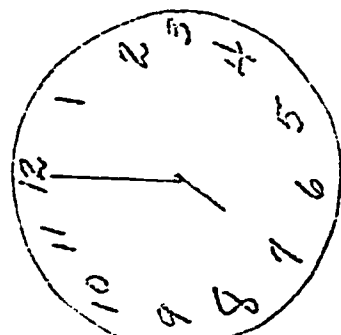
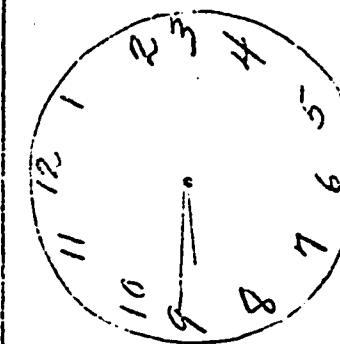
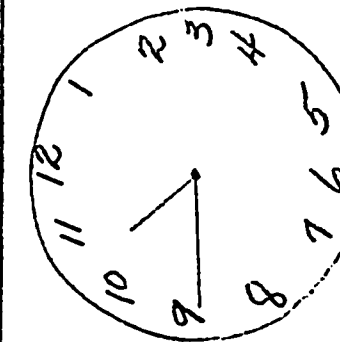
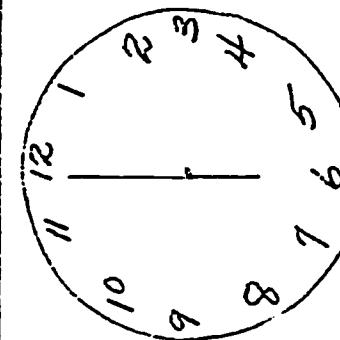
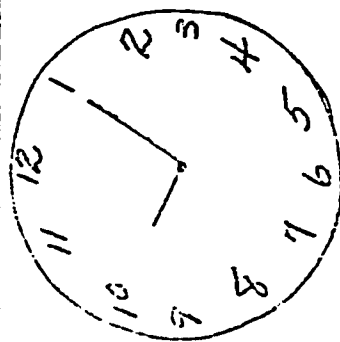
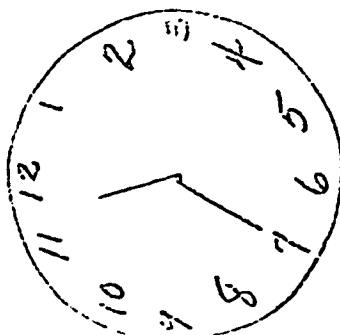
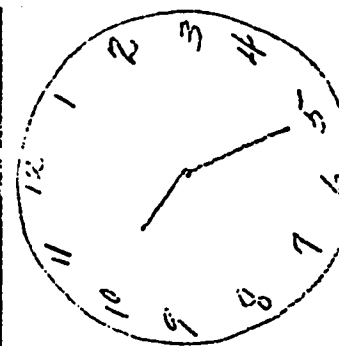
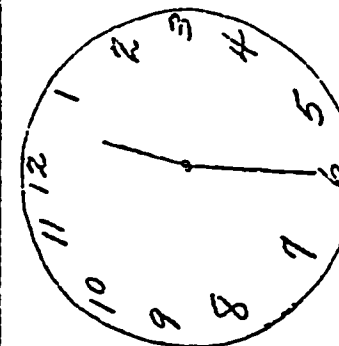
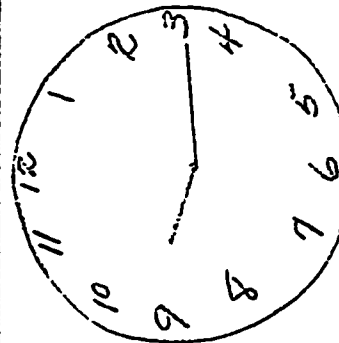
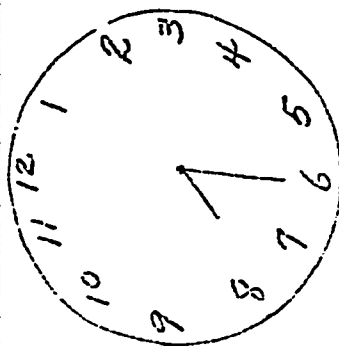
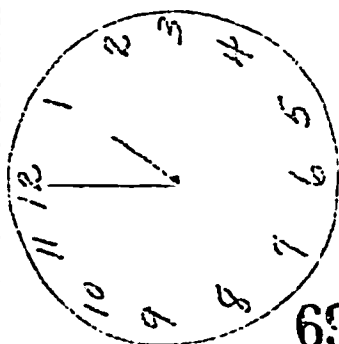
DATE

CLASS

TIME

COUNT

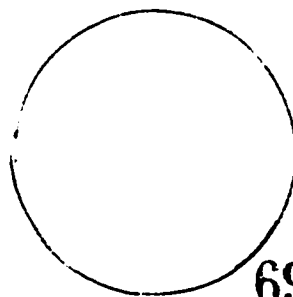
Write the time in hours and minutes below the clock



Drawing time on face from statement.

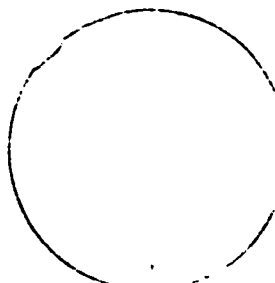
NAME DATE CLASS TIME COUNT

Draw the hour and minute hands on each clock according to the time shown beneath it.

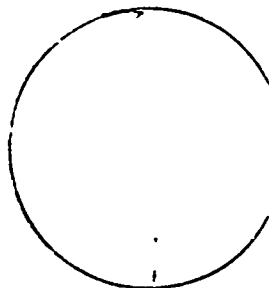


6:25

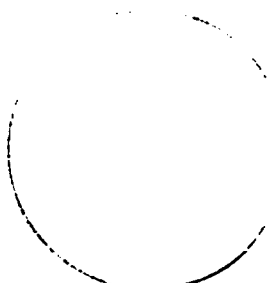
692



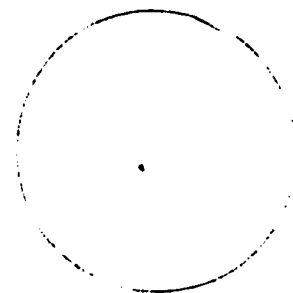
midnight



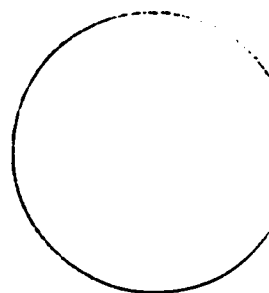
8:00



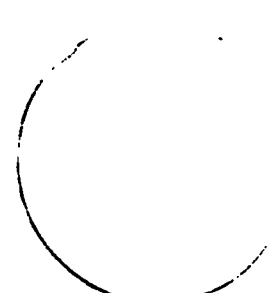
3:15



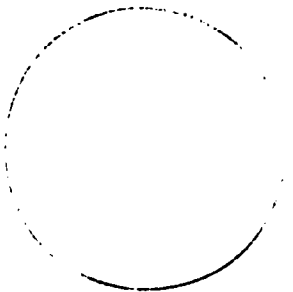
5:10



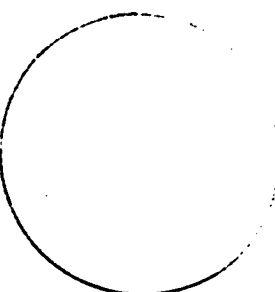
11:15



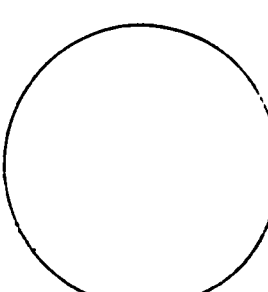
5:15



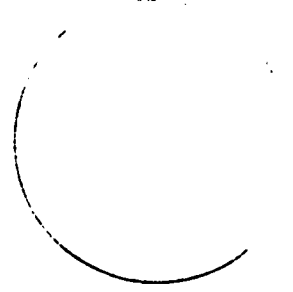
4:45



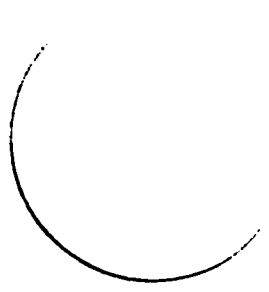
10:00



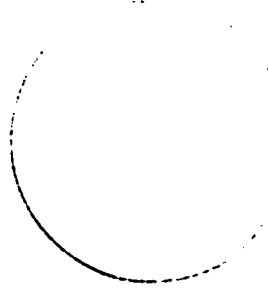
8:35



9:45



12:00



6:30

COUNT

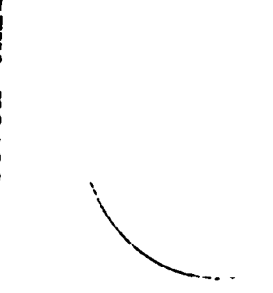
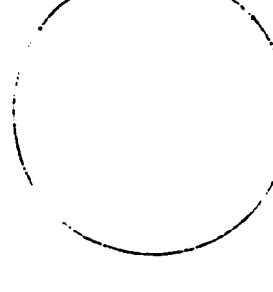
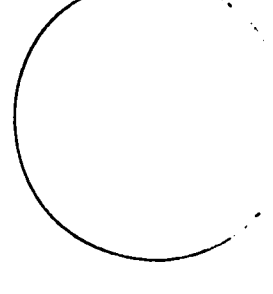
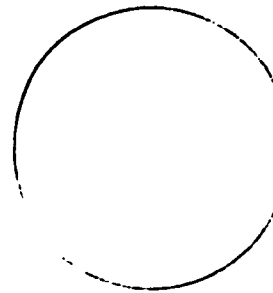
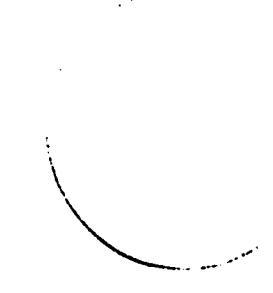
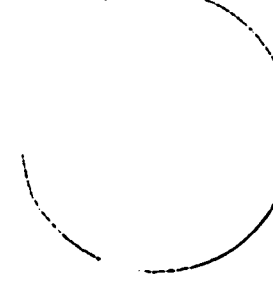
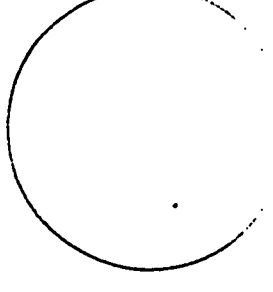
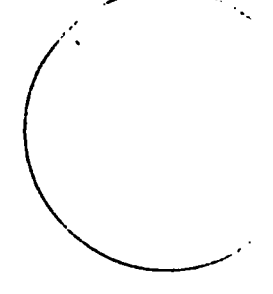
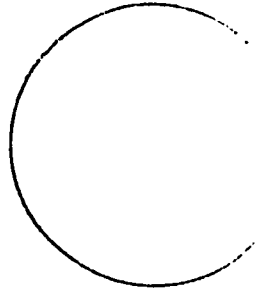
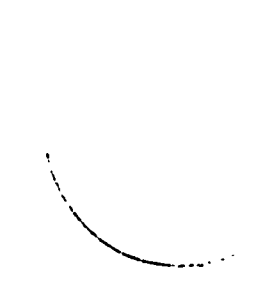
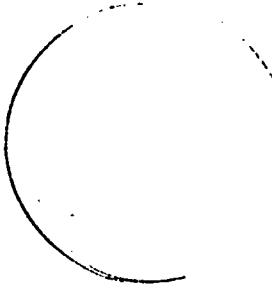
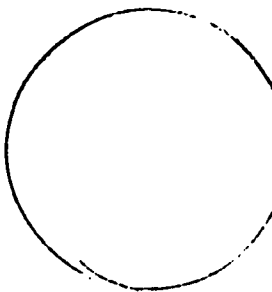
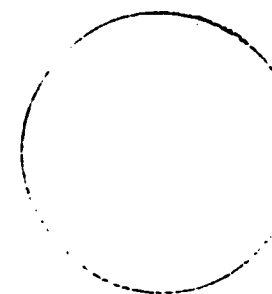
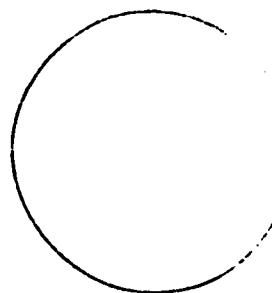
TIME

CLASS

DATE _____

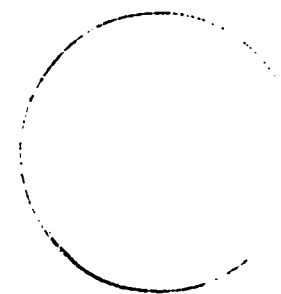
NAME _____

Draw the hour and minute hands for the time shown beneath each clock face.

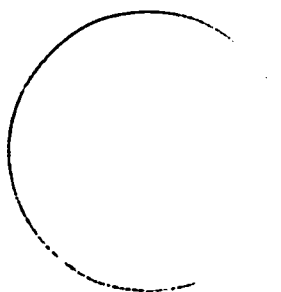


NAME DATE CLASS TIME COUNT

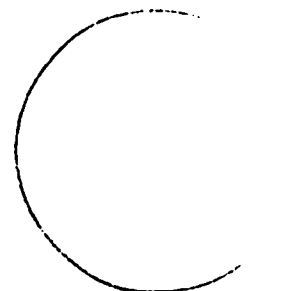
Draw the hands on each clock for the time shown just beneath it.



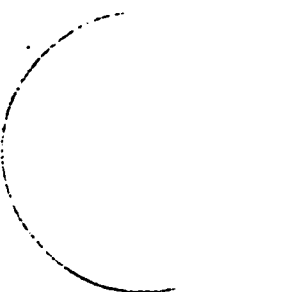
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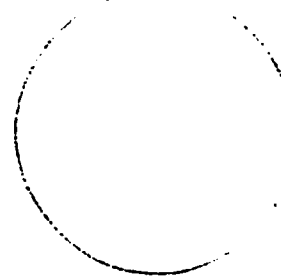
8:00 a.m.



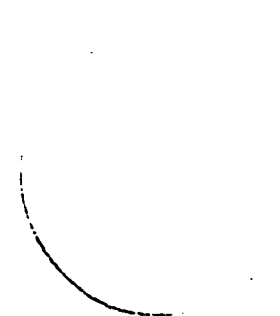
midnight



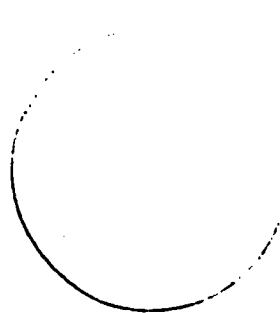
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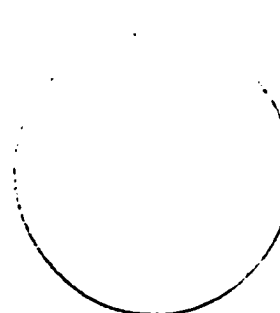
7:30



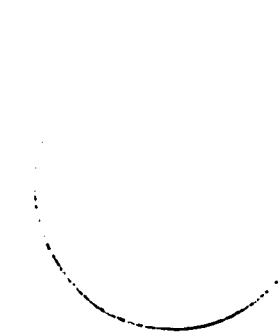
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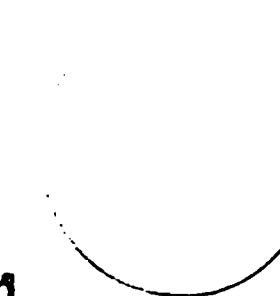
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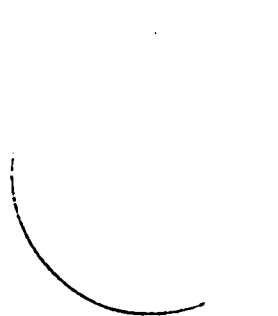
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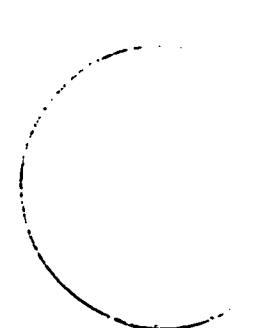
12:00



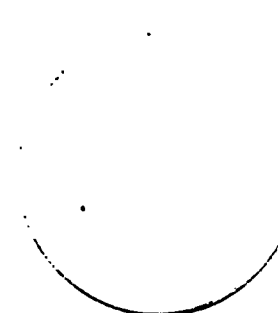
10:10



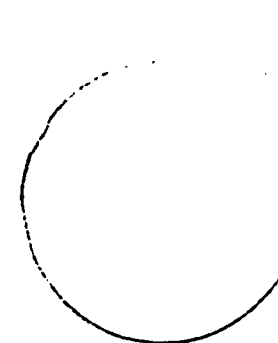
9:45



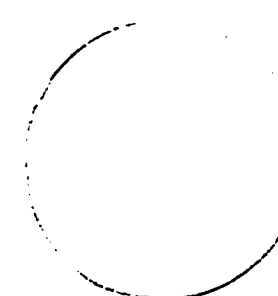
4:30



9:25



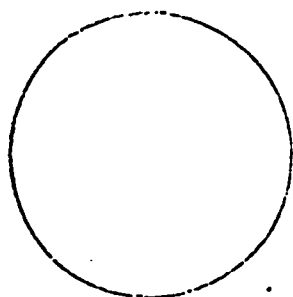
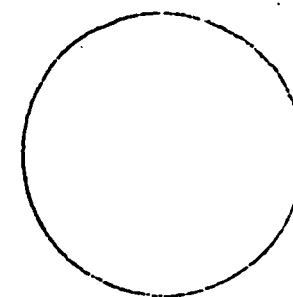
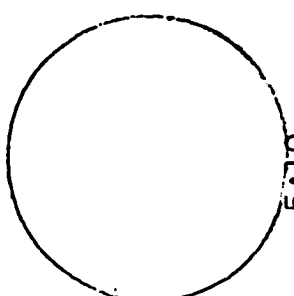
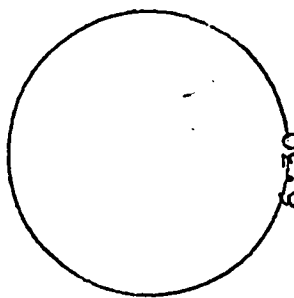
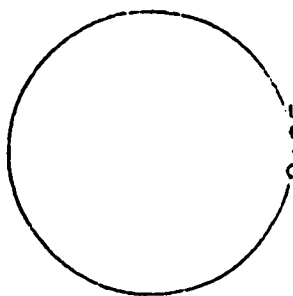
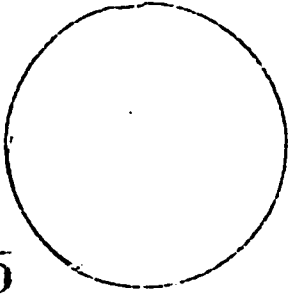
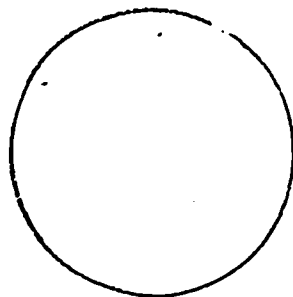
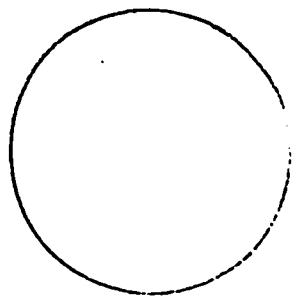
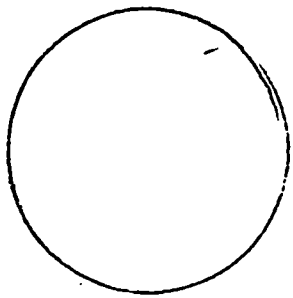
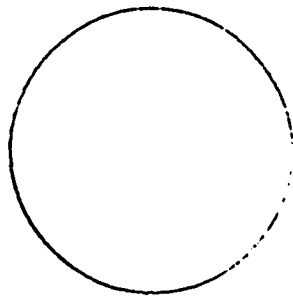
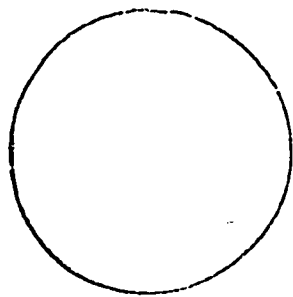
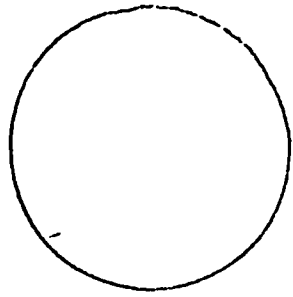
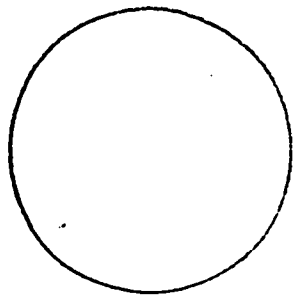
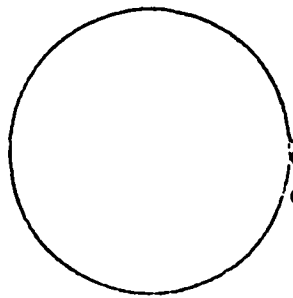
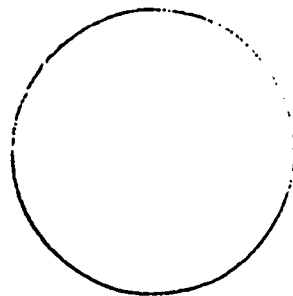
8:55



6:35

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Draw the hour and minute hand on each clock face for the time given beneath it.

| | | | | |
|--|--|--|---|---|
|  10:10 695 |  11:10 |  5:10 |  6:30 |  8:05 |
|  6:05 |  6:55 |  9:40 |  1:25 |  1:25 |
|  2:01 |  4:46 |  8:38 |  2:26 |  12:05 |

Demonstrating comparative concepts.

| NAME | DATE | CLASS | TIME | COUNT |
|--|--|-------|------|-------|
| Check the correct answer for yes or no in answer to the statement. | | | | |
| Yes | No | | | |
| 1. | Are ten eggs more than a dozen eggs? | | | |
| 2. | Are twelve inches less than six inches? | | | |
| 3. | Is a boy eight younger than a boy twelve years old? | | | |
| 4. | If Joe read six books and Sally read five, did Joe read more than Sally? | | | |
| 5. | Is a dozen eggs more than 18 eggs? | | | |
| 6. | Is a tree taller than a mouse? | | | |
| 7. | Is a rope a yard long shorter than a rope which is two feet long? | | | |
| 8. | Is a mountain closer to you than your hand? | | | |
| 9. | Is the top of a house lower than the lawn? | | | |
| 10. | Do you go upstairs to the attic? | | | |
| 11. | Is the basement downstairs? | | | |
| 12. | Is it farther around the house than it is around the world? | | | |
| 13. | Are your feet smaller than your hands? | | | |
| 14. | Is thirty-six inches shorter than 1 foot? | | | |
| 15. | Is six o'clock nearer noon than 3 o'clock? | | | |
| 16. | Is twelve midnight closer to noon than four in the afternoon? | | | |
| 17. | If you have 16 eggs, do you have more than one and one-half dozen? | | | |

COUNT

TIME

CLASS

DATE

NAME

Recognizing use of ruler, yardstick

1. Write the following measurements in figures:

a four feet _____

b four and one half feet _____

c two and one-half inches _____

d three feet six inches _____

e One and one-fourth inches _____

f thirty six inches _____

g forty eight inches _____

2. How many yards are there in seventy-two feet? _____

3. How many feet are there in two yards? _____

4. Write five things you can measure with a ruler:

a _____

b _____

c _____

d _____

e _____

NAME

DATE

CLASS

TIME

COUNT

Circle which weighs the most

- | | | | |
|----------------|-----------------------|-----------------|-----------------|
| 1. dog | horse | 17. fly | egg |
| 2. feather | apple | 18. teacher | you |
| 3. cow | 1# of coffee | 19. wrist watch | school clock |
| 4. 10 pounds | yourself | 20. stocking | shoe |
| 5. a tree | penny | 21. book | car |
| 6. dime | quarter | 22. cat | cow |
| 7. dozen eggs | piece of paper 8 x 11 | 23. dog | horse |
| 8. 1/2 a pie | your desk | 24. bicycle | bathtub |
| 9. cat | mouse | 25. apple | 1 quart of milk |
| 10. ruler | yardstick | 26. 1 pt oil | 1 quart oil |
| 11. pencil | car | 27. 18 eggs | 1 dozen eggs |
| 12. paper sack | your shoe | 28. 1 lb. | 1/2 lb. |
| 13. 1 egg | 1/2 dozen eggs | 29. 1/2 lb. | 1 lb. |
| 14. 1 pound | 1 ounce | 30. piano | book |
| 15. pound | 10 lbs | 31. 10 lbs. | 15 lbs. |
| 16. 2 ozs | 1 lbs | 32. 10 ozs. | 1 oz. |

Identifying dozen, one-half objects.

COUNT

TIME

CLASS

DATE

NAME

Circle the word of the object which is smallest

- | | |
|--------------|------------|
| 1. tree | penny |
| 2. house | horse |
| 3. hat | apple |
| 4. dime | quarter |
| 5. boy | horse |
| 6. man | boy |
| 7. truck | tricycle |
| 8. suitcase | purse |
| 9. nurse | baby |
| 10. gallon | quart |
| 11. gallon | pint |
| 12. dozen | 2 doz |
| 13. 1/2 doz | 1 doz |
| 14. ounce | pound |
| 15. bus | car |
| 16. baseball | basketball |
| 17. doughnut | egg |
| 18. cookie | cake |

| NAME | DATE | CLASS | TIME | COUNT |
|------------------------------|---------------------------------------|-------|------|-------|
| Circle the correct answer | | | | |
| 1. 8 inches is one-half of | (14, 24, 4, 16, 20, 1 yard) | | | |
| 2. 9 is one-half of | (24, 18, 3, 61, 2, 100, 9, 1 doz) | | | |
| 3. 5 is one-half of | (10, 15, 25, 7, 1 doz., 1 pound) | | | |
| 4. 2 is one-half of | (8, 84, 24, 12, 4, 80, 40, 1) | | | |
| 5. 6 ozs. is one-half of | (one pound, 12 ozs., 1 lbs1, 36, 3) | | | |
| 6. 1 dozen is one-half of | (4½, 2 doz., 4 doz., 6, 12, 6) | | | |
| 7. 1/2 is one-half of | (40, 2, 1, 1/2, 2, 6, 4, 10, 1 doz. | | | |
| 8. 10 is one-half of | (40, 2, 1, 1/2, 1/4, 20, 24, 48) | | | |
| 9. 18 is one-half of | (24, 2 dozen, 36, 9) | | | |
| 0. 6 is one-half of | (3, 1 dozen, 16, 8, 1 ½ dozen) | | | |
| 11. 18 inches is one-half of | (1 yard, 12 inches, 1 lbs, 36 ounces) | | | |
| 2. 1½ of 1/2 is | (1 inch, 1 dozen, 12, 1/4) | | | |
| 3. 5 is one-half of | (2½, 1 yard, 12 inches, 1 dozen, 10) | | | |
| 4. 18 is one-half of | (9, 10, 12, 36, 46, 100, 2) | | | |
| 5. 3 is one-half of | (9, 10, 6, 1½, 12) | | | |
| 6. six inches is one-half of | (1 ruler, 1 yard, 1 dozen, 1/2 dozen) | | | |

COUNT

TIME

CLASS

DATE

NAME

Circle which is largest

- | | | |
|-----|-----------|-----------|
| 1. | 12 inches | one inch |
| 2. | 1 foot | 1 yard |
| 3. | 1 foot | 18 inches |
| 4. | 7 days | 1 month |
| 5. | 360 days | 1 year |
| 6. | 1 year | 30 days |
| 7. | 12 eggs | 2 dozen |
| 8. | 4 weeks | 2 months |
| 9. | 24 hours | 2 days |
| 10. | 1 gallon | 1 quart |
| 11. | 1 minute | 1 hour |
| 12. | 4 cups | 2 quarts |
| 13. | 12 inches | 2 feet |
| 14. | 1/2 inch | 1/4 inch |
| 15. | 2 cents | 1 dollar |
| 16. | 50 cents | 1 dollar |
| 17. | a quarter | 20 cents |
| 18. | 2 dimes | 1 quarter |

| NAME | DATE | CLASS | TIME | COUNT |
|--|------|-------|-------------|-------|
| Put an X in the correct column, Yes or No, in answer to the question: Is a dozen | | | | |
| Yes | No | | | |
| | | 1. | 12-10 | |
| | | 2. | 12 | |
| | | 3. | 3+3+3 | |
| | | 4. | 10 + 2 | |
| | | 5. | 3+3+3+3 | |
| | | 6. | 24-12 | |
| | | 7. | 2+10 | |
| | | 8. | 1+11 | |
| | | 9. | 6+6 | |
| | | 10. | 2+2+2+2+2+2 | |
| | | 11. | 2+2+2+6 | |
| | | 12. | 5+7 | |
| | | 13. | 3+6 | |
| | | 14. | 2+7 | |
| | | 15. | 1+10 | |
| | | 16. | 8+4 | |
| | | 17. | 14-2 | |
| | | 18. | 24-10 | |

Recognizing use of ruler, yardstick.

COUNT

TIME

CLASS

DATE

NAME

Fill in the blanks

1. 3 + _____ = 1 dozen
2. 4 + _____ = 1 dozen
3. 5 + _____ = 1 dozen
4. 9 + _____ = 1 dozen
5. 10 + _____ = 1 dozen
6. 1 + _____ = 1 dozen
7. 7 + _____ = 1 dozen
8. 12 + _____ = 1 dozen
9. 2 + _____ = 1 dozen
0. 8 + _____ = 1 dozen
1. 6 + _____ = 1 dozen
2. 3 + _____ = 1 dozen
3. 1 + _____ = 1 dozen
4. 7 + _____ = 1 dozen
5. 4 + _____ = 1 dozen
6. 9 + _____ = 1 dozen
7. 8 + _____ = 1 dozen
8. 2 + _____ = 1 dozen

COUNT

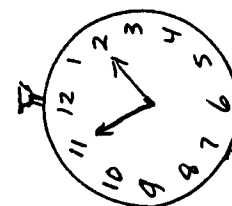
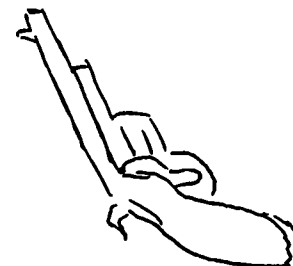
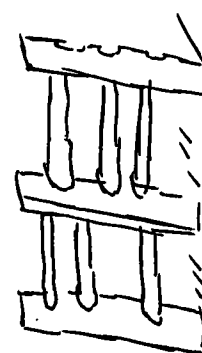
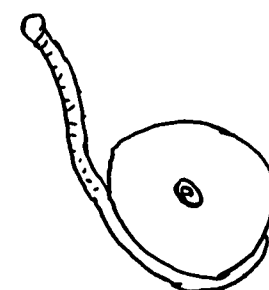
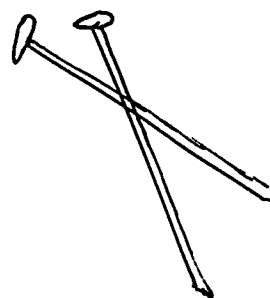
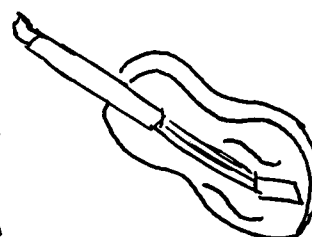
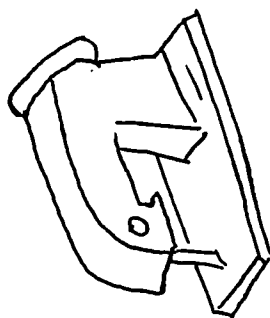
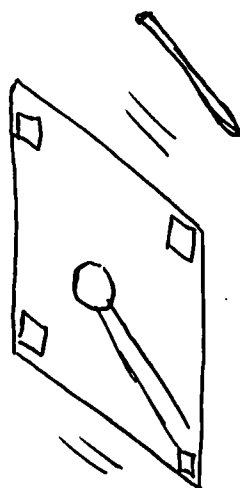
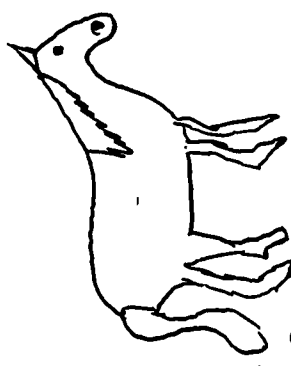
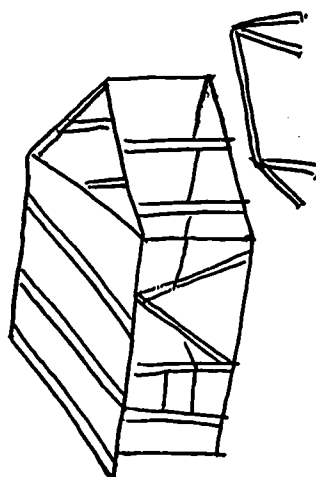
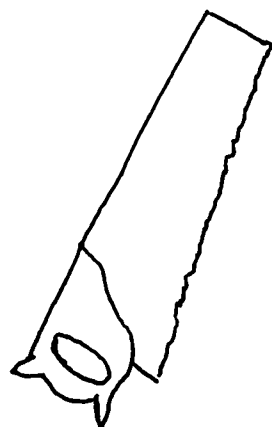
TIME

CLASS

DATE

NAME

Draw a large X through the picture which shows something with which you could use a ruler.
Under the picture where you have marked an X, write what you would use a ruler for in that picture.



COUNT

TIME

CLASS

DATE

NAME

Fill in the blanks

1. 12- _____ = 1/2 dozen

2. 1 + _____ = 1/2 dozen

3. 24- _____ = 1/2 dozen

4. 7 - _____ = 1/2 dozen

5. 5 + _____ = 1/2 dozen

6. 3 + _____ = 1/2 dozen

7. 18- _____ = 1/2 dozen

8. 2 + _____ = 1/2 dozen

9. 11- _____ = 1/2 dozen

10. 6 - _____ = 1/2 dozen

1. 12+ _____ = 2 dozen

2. 12+ _____ = 1 dozen

3. 6 + _____ = 1 dozen

4. 7 + _____ = 1 dozen

5. 8 + _____ = 1 dozen

6. 9 + _____ = 1 dozen

7. 3 + _____ = 1 dozen

| NAME | DATE | CLASS | TIME | COUNT |
|---|------|-------|---|-------|
| A yardstick is used for: (Draw a circle around the number of the statement which tells what a yardstick is used for). | | | | |
| 1. sewing | | | 12. painting | |
| 2. baking | | | 13. buying groceries | |
| 3. carpentry | | | 14. building a dog house | |
| 4. building | | | 15. measuring land | |
| 5. telling time | | | 16. plotting a garden | |
| 6. logging | | | 17. drawing squares on paper | |
| 7. baking cookies | | | 18. laying a sidewalk | |
| 8. measuring | | | 19. making a flower bed with straight edges | |
| 9. weighing | | | 20. hemming a dress | |
| 10. planting | | | 21. measuring a floor for carpet | |
| 11. building | | | 22. buying draperies | |

| NAME | DATE | CLASS | TIME | COUNT |
|---|------|-------|-------------------------------------|-------|
| Write your answers on the lines. | | | | |
| 1. _____ eggs = 1 dozen | | | 11. $9 + 3 =$ _____ dozen | |
| 2. _____ roses = $1/2$ dozen | | | 12. $9 - 3 =$ _____ dozen | |
| 3. 1 dozen eggs - 4 eggs = _____ eggs | | | 13. $14 -$ _____ = 1 dozen | |
| 4. $2\ 1/2$ dozen pencils + 4 pencils = _____ pencils | | | 14. $18 +$ _____ = 2 dozen | |
| 5. 24 pencils + 12 pencils = _____ dozen pencils | | | 15. 3 dozen - _____ dozen = 1 dozen | |
| 6. $1/2$ of a dozen eggs = _____ eggs | | | 16. $5 +$ _____ = 1 dozen | |
| 7. $1/2$ of a half dozen = _____ | | | 17. $12 =$ _____ dozen | |
| 8. 2 eggs = _____ dozen | | | 18. $6 =$ _____ dozen | |
| 9. 1 dozen eggs - 6 = _____ dozen | | | 19. $3 =$ _____ dozen | |
| 10. 2 dozen = _____ | | | 20. $24 =$ _____ dozen | |

NAME

DATE

CLASS

TIME

COUNT

Draw a circle around the number of the correct statement which tells about a ruler.
A ruler

- | | |
|---|--------------------------------------|
| 1. is 12 inches long | 11. is $1/2$ the length of a yard |
| 2. is 7 into inches | 12. can be divided into $1/4$ inches |
| 3. is divided into feet | 13. measures dozens |
| 4. is longer than a foot | 14. measures inches |
| 5. is shorter than a yardstick | 15. measures feet |
| 6. is quicker to use in measuring a mile than a yardstick | 16. measures yards |
| 7. is best for small measurements | 17. measures pounds |
| 8. measures width | 18. measures straight edges |
| 9. measures length | 19. useful for drawing rectangles |
| 10. is $1/3$ the length of a yardstick | 20. useful for drawing circles |

704

| NAME | DATE | CLASS | TIME | COUNT |
|------|---|-------------------------|------|-------|
| | Identifying dozen, one-half objects | Write answers on lines. | | |
| 1. | How many eggs are there in a dozen eggs? | | | |
| 2. | How many roses make one-half dozen roses? | | | |
| 3. | If you had a dozen eggs and broke four, how many would you have left? | | | |
| 4. | Johnny had two and one-half dozen pencils and his sister gave him four more. How many did he have altogether? | | | |
| 5. | One-half of one-half dozen eggs is how many eggs? | | | |

| NAME | DATE | CLASS | TIME | COUNT |
|---|------|--|------|-------|
| Draw a circle around the number before each statement which tells what a ruler is used for. A ruler is used to: | | | | |
| 1. weigh apples | | 12. make a picture frame | | |
| 2. measure length | | 13. cut a pie in equal pieces | | |
| 3. tell time | | 14. build a house | | |
| 4. weigh lettuce | | 15. lay out a garden plot | | |
| 5. buy milk | | 16. figure how much paint is needed for a room | | |
| 6. make a dress | | 17. draw triangles a certain size | | |
| 7. buy cloth | | 18. see how long a piece of paper is | | |
| 8. measure width | | 19. buy cloth | | |
| 9. set the clock | | 20. buy groceries | | |
| 10. measure how tall I am | | 21. see how much butter weighs | | |
| 11. measure how much you weigh | | 22. make a cake | | |

Measuring objects to nearest inch.

Ruler dividing, inches, 3 rulers = 1 yard.

CLASS

TIME

COUNT

DATE

NAME

Write the measurements on the line

1. width of your reader
2. length of your reader
3. length of your desk
4. width of your desk
5. length of your shoe
6. width of your shoe
7. length of window sill
8. width of door
9. height of door
10. length of blackboard
11. width of blackboard
12. width of classroom
13. length of classroom
14. length of new pencil
15. length of sink

| NAME | DATE | CLASS | TIME | COUNT |
|--|---------------------|-------|------|-------------------------------|
| Write a 1 before every statement about <u>rulers</u> | | | | |
| 1. inches | 11. 36 inches | | | 21. yardstick |
| 2. 1 foot | 12. 24 inches | | | 22. pounds |
| 3. 12 inches | 13. weighs | | | 23. ounces |
| 4. lbs. | 14. one foot | | | 24. drawing a square 1'x1'x1' |
| 5. pounds | 15. length | | | 25. quarts |
| 6. 36 inches | 16. width | | | 26. pints |
| 7. quarts | 17. weight | | | 27. 1' |
| 8. 3 feet | 18. dozen inches | | | 28. 6" +6" |
| 9. measures | 19. 2 one-half feet | | | 29. straight edge |
| 10. 2 feet long | 20. 12 " | | | 30. lines |

NAME _____

DATE _____

CLASS _____

TIME _____

COUNT _____

Write measurements on line

How long is hammer?



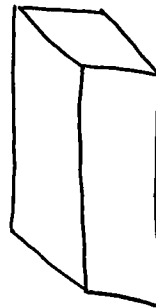
How long is the saw?



How long is the sled?



How long is the box?



How long is the pencil?



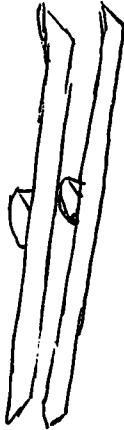
6. _____ How long is the canoe?



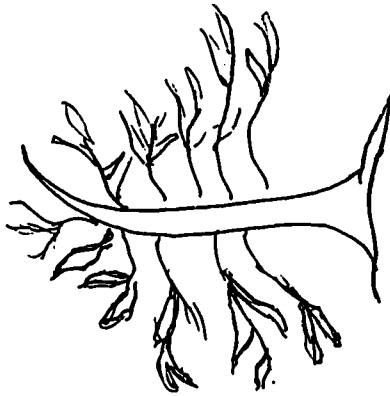
7. _____ How long is the moccasin?



8. _____ How long is the ski on the bottom?



9. _____ How high is the tree?



COUNT

TIME

CLASS

DATE

NAME

Write the correct figures on the blank lines.

- | | | |
|---------------------------------|------------------------------|-----------------|
| 1. 1 yardstick = _____ inches | 11. 2 rulers | = _____ inches |
| 2. 1 yard = _____ feet | 12. 24" | = _____ feet |
| 3. 1 yard = _____ yardstick | 13. 36 _____ | = 1 yard |
| 4. 1 ruler = _____ inches | 14. 12" + 12" + 12" | = _____ yard(s) |
| 5. 1 ruler = _____ 1/2 inches | 15. 3 rulers | = _____ yard(s) |
| 6. 1 ruler = _____ 1/4 inches | 16. 1 yard - 1 ruler | = _____ feet |
| 7. 12 inches = _____ 1/4 inches | 17. 24 inches - _____ inches | = 1 foot |
| 8. 20" + 4" = _____ feet | 18. 1 foot | = _____ rulers |
| 9. 30" + 6" = _____ feet | 19. 36 _____ | = 1 yard |
| 10. 10" + _____ = _____ 1 foot | 20. 1 _____ | = 1 foot |

COUNT

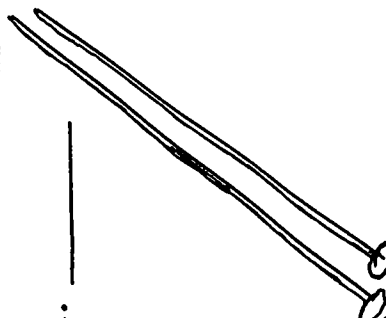
TIME

CLASS

DATE

Write the measurements on the lines

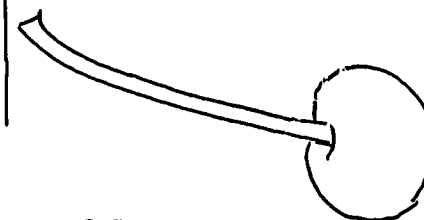
How long is the left needle?



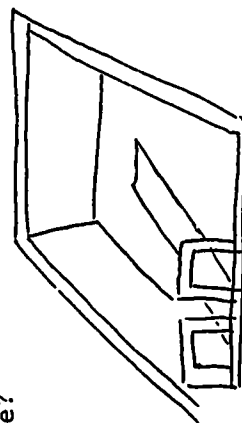
How long is the sandal?



How long is the stem?



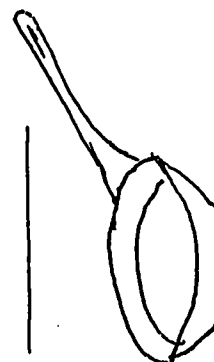
4. How wide is the pool?



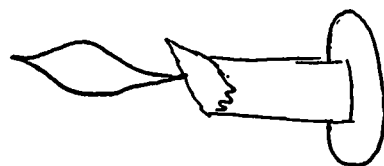
5. How long is the sled?



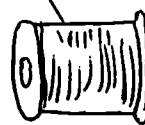
6. How long is the handle?



7. How high is the flame?



8. How long is the thread from the edge of the spool to needle?



9. How long is the fish?



NAME _____

DATE _____

CLASS _____

TIME _____

COUNT _____

Write the correct figures in the blanks.

1. 36" + 1 yard = _____ inches
2. 1 yard - 1 foot = _____ feet
3. 1 yard + 36 inches = _____ yards
4. _____ feet + 3 feet = 2 yards
5. 1 foot + _____ feet = 1 yard
6. 24 inches + _____ inches = 1 yard
7. 1 yard - _____ feet = 1 foot
8. _____ 1/2 inches - 5 inches = 1 inch
9. 12 inches divided by _____ = 6 inches
0. 12 inches = _____ 1/2 inches
11. 3 inches + _____ inches = 1 foot
12. 1 yard divided by _____ = 1 foot
13. 1 foot = _____ feet = 1 yard
14. 1 yard = _____ inches
15. 1 foot = _____ 1/2 inches
16. 1 foot = _____ 1/2 inches
17. 1 yard = _____ 1/2 inches
18. 1 yard + 1 foot = _____ inches
19. 1 1/2 feet = _____ inches
20. 1 1/2 yard = _____ inches

COUNT

TIME

CLASS

DATE

NAME

Write the measurements on the lines. How long are the pencils?

1. _____



2. _____



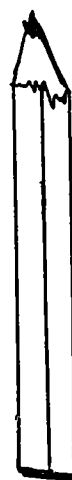
3. _____



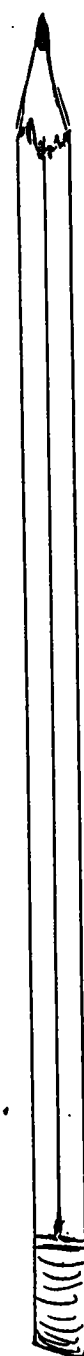
4. _____



5. _____



6. _____



723

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Recognizing use of ruler, yardstick

1. How many $1/2$ inches are there in 6 inches?
2. Draw a line for each of these measurements:
 - a. $4\ 1/2$ inches
 - b. $4\ 1/4$ inches
 - c. $1\ 1/4$ inches
 - d. $2\ 3/4$ inches
3. How many inches are there in a yardstick? _____
4. How many 12 inch rulers would it take to equal one yardstick? _____
5. If you were to measure the height of a door which would be the fastest measuring stick to use, a ruler or a yardstick? _____
6. Johnny is four feet tall How tall are you _____

Solving measurement problems involving 12 inches in a foot. Differentiating measurements stated in inches and feet. Limit 3 feet.

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write answers

1. 2 inches is one foot minus _____
2. 1 inch is one foot minus _____
3. a foot is 5 inches plus _____
4. a foot is _____ inches
5. 2 feet is _____ inches
6. $1\frac{1}{2}$ feet is _____ yard
7. 1 yard minus 1 foot _____ inches
8. a foot has _____ one-half inches in it
9. a foot has _____ inches
10. a yard is equal to _____ inches
11. 18 inches is _____ yard
12. 9 inches plus 9 inches plus _____ = 1 yd
13. 3 inches minus _____ inches = 1 ft.
14. 36 inches minus _____ inches = 2 feet
15. 24 inches plus _____ inches = 1 yard
16. 1 inch = _____ $\frac{1}{2}$ "
17. 1 inch = _____ $\frac{1}{4}$ "

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write answers

1. a twelve inch ruler can be divided into _____ half inches
2. a yardstick is _____ inches long
3. a yardstick is _____ feet long
4. It takes _____ $1/4$ inches to make 1 inch
5. There are _____ $1/2$ inches in a foot
6. It takes 2 _____ inches to make one inch
7. a yard divided into half equals _____ inches in each half
8. a yard is _____ foot + _____ feet
9. a yard is _____ foot + _____ feet + _____ inches
10. a foot is _____ feet
11. a foot = 6 inches plus _____ inches
12. 4 inches plus _____ = 1 foot
13. 2 inches + _____ = 1 ft
14. This sign " " can also be written _____
15. This sign ' ' can also be written _____
16. ft means _____
17. yd is a way of saying _____
18. 2 ft + 2 ft + _____ ft = 1 yd

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write answers

1. $1/2$ inch = _____ inches
2. 4 inches + _____ inches = 1 yd
3. 8" = _____ = 1 ft
4. 1 ft - _____ = 5 inches
5. 1 ft - _____ = 10 inches
6. 1 yd - _____ = 1 ft
7. 1 yd + _____ ft = $1 \frac{1}{2}$ yds
8. 1 yd + _____ ft = 2 yds
9. 1 yd + _____ inches = $1 \frac{1}{2}$ yds
10. 9 " + _____ inches = 1 foot
11. $6 \frac{3}{4}$ " + _____ inches = 1 foot
12. $5 \frac{1}{2}$ inches + _____ inches = 1 ft
13. $2 \frac{1}{4}$ " - _____ inches = 2 inches
14. 10" + _____ " + _____ " = 1 ft
15. 12" - _____ = 6 inches
16. 12" - _____ inches = 6 inches
17. 12" - _____ ft = 0 inches
18. 1 yd = _____ ft

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
|------|------|-------|------|-------|

Draw lines. Measure the lines and write the lengths on the lines

1. Draw a line from each . to each X. Measure the line and write your answer on it.

| | | | | |
|------|--|--|--|---|
| 2. . | | | | X |
|------|--|--|--|---|

| | | | | |
|------|---|--|--|--|
| 3. . | X | | | |
|------|---|--|--|--|

| | | | | |
|------|--|---|--|--|
| 4. . | | X | | |
|------|--|---|--|--|

| | | | | |
|------|--|--|--|---|
| 5. . | | | | X |
|------|--|--|--|---|

| | | | | |
|------|--|--|--|---|
| 6. . | | | | X |
|------|--|--|--|---|

| | | | | |
|------|--|--|---|--|
| 7. . | | | X | |
|------|--|--|---|--|

| | | | | |
|------|--|--|---|--|
| 8. . | | | X | |
|------|--|--|---|--|

| | | | | |
|------|--|--|---|--|
| 9. . | | | X | |
|------|--|--|---|--|

| | | | | |
|-------|--|--|--|---|
| 10. . | | | | X |
|-------|--|--|--|---|

Stating and showing cups per pint, pints per quart and reverse.

COUNT

TIME

CLASS

DATE

NAME

Write answers on the lines

1. _____ quarts = 6 pints

2. _____ pints = 8 cups

3. _____ cups = 2 pints

4. _____ quarts = 2 pints

5. _____ pints = 1 quart

6. _____ cups = 1 quart

7. _____ pints = 2 quarts

8. _____ cups = 4 pints

9. _____ pints = $1\frac{1}{2}$ quarts10. _____ cups = $1\frac{1}{2}$ quarts1. _____ cups = $2\frac{1}{2}$ pints2. _____ cups = $1\frac{1}{2}$ pints3. _____ pints = $1\frac{1}{2}$ quart4. _____ cups = $1\frac{1}{2}$ pint

5. _____ quarts = 8 pints

6. _____ cups = $1\frac{1}{2}$ pint7. _____ cups = $1\frac{1}{2}$ quart

8. _____ pints = 4 quarts

COUNT

TIME

CLASS

DATE

NAME

Write answers on the lines

1. 2 pints = _____ cups

2. 1 pint = _____ cups

3. 3 cups = _____ pints

4. 1 quart = _____ pints

5. 4 pints = _____ quarts

6. 1 quart = _____ pints

7. 1 quart = _____ cups

8. $1\frac{1}{2}$ quarts = _____ pints9. $1\frac{1}{2}$ pint = _____ cups

10. 6 cups = _____ quarts

11. 2 quarts = _____ pints

12. 6 pints = _____ quarts

13. 8 pints = _____ quarts

14. $1\frac{1}{2}$ quarts = _____ cups

15. 10 cups = _____ pints

16. $2\frac{1}{2}$ pints = _____ cups

COUNT

TIME

CLASS

DATE

NAME

Write answers on the lines

1. $1\frac{1}{2}$ quarts = _____ pints
2. $2\frac{1}{2}$ pints = _____ quarts
3. 2 pints = _____ cups
4. 3 cups = _____ pints
5. 1 quart = _____ pints
6. 4 pints = _____ quarts
7. $1\frac{1}{2}$ pint = _____ cups
8. 6 cups = _____ quarts
9. 8 pints = _____ quarts
10. 6 pints = _____ quarts
1. 10 cups = _____ pints
2. 12 cups = _____ quarts
3. $1\frac{1}{2}$ quarts = _____ cups
4. 1 cup = _____ pint
5. 8 cups = _____ quarts
6. 8 cups = _____ pints
7. 16 cups = _____ pints
8. 24 cups = _____ pints

COUNT

TIME

CLASS

DATE

NAME

Write answers on lines

1. _____ pints = quarts
2. _____ cups = 1/2 quart
3. _____ cups = 1/2 pint
4. _____ quarts = 8 pints
5. _____ cups = 1/2 pint
6. _____ cups = 1 1/2 pints
7. _____ cups = 2 1/2 pints
8. _____ cups = 1 1/2 pints
9. _____ pints = 1 1/2 quarts
10. _____ cups = 4 pints
11. _____ pints = 2 quarts
12. _____ cups = 1 quart
13. _____ pints = 1 quart
14. _____ quarts = 2 pints
15. _____ cups = 2 pints
16. _____ pints = 16 cups
17. _____ pints = 8 cups
18. _____ quarts = 6 pints

Problems 3 ft. = 1 yd.; 36 in. = 1 yd.

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write answers

1. 3 ft - _____ = 1 yard
2. 36" + _____ = 2 yards
3. 1 yard - _____' = 2 ft.
4. 1 yard - _____" = 2 ft.
5. 1 foot + _____" = 1 yard
6. 12" + _____" = 1 yard
7. 6" + _____" = 1 foot
8. 36" - _____' = 12 inches
9. 36" + _____' = 2 yards
10. 1 ft. - _____" = 36 inches
11. 6" + _____' = 36 inches
12. 6" + _____" = 2 ft.
13. 6" + _____' = 1 yard
14. 1 yard - _____" = 6 inches
15. 1 yard - _____' = 6 inches
16. 1 yard - _____' = 1 foot
17. 1 foot + _____" = 36 inches
18. 1 foot = _____' = 1 yard

COUNT

TIME

CLASS

DATE

NAME

Write answers

1. 1 foot plus ___ feet = 1 yard
2. 2 feet plus ___ feet = 36 inches
3. 6 inches plus ___ inches = 1 foot
4. 6 inches plus ___ feet = 2 yards
5. 6 inches plus ___ feet = 1 yard
6. 2 feet plus ___ feet = 1 yard
7. $2\frac{1}{2}$ feet plus ___ foot = 1 yard
8. 16 inches plus ___ inches = 1 yard
9. 12 inches plus ___ inches = 1 yard
10. 2 inches plus ___ inches = $1\frac{1}{2}$ foot
11. 2 inches plus ___ inches = 1 foot
12. 1 foot plus ___ inches = 1 yard
13. 30 inches plus ___ feet = 1 yard
14. 1 yard plus ___ feet = 2 yards
15. 1 yard plus ___ inches = 2 yards
16. 1 yard plus ___ feet = 2 yards
17. 36 inches plus ___ feet = 1 yard
18. 2 feet plus ___ feet = 1 yard

COUNT

TIME

CLASS

DATE

NAME

Write answers in inches

inches

1. 1 yard - 12 inches =
2. 1 yard - 6 inches =
3. 1 foot - 6 inches =
4. 1 foot + 6 inches =
5. 1 foot - 6 inches =
6. 6 inches + 6 inches =
7. 36 inches - 2 feet =
8. 2 feet - 1 foot =
9. 12 inches + 12 inches =
10. 1 foot + 1 yard =
11. 2 yards + 1 foot =
12. 24 inches + 1 foot =
13. 1/2 foot + 1/2 foot =
14. 1/2 yard + 1 1/2 feet =
15. 18 inches + 1/2 foot =
16. 2 feet + 1 foot =
17. 36 inches - 1 foot =
18. 36 inches - 2 feet =

| NAME | DATE | CLASS | TIME | COUNT |
|---------------------------|------|-------|------|-------|
| Write answers in feet | | | | |
| 1. 1 yard - 12 inches | | | | = |
| 2. 1 yard - 6 inches | | | | = |
| 3. 1 foot - 6 inches | | | | = |
| 4. 1 foot + 6 inches | | | | = |
| 5. 1 foot - 6 inches | | | | = |
| 6. 6 inches + 6 inches | | | | = |
| 7. 36 inches - 2 feet | | | | = |
| 8. 2 feet - 1 foot | | | | = |
| 9. 12 inches + 12 inches | | | | = |
| 10. 1 foot + 1 yard | | | | = |
| 11. 2 yards + 1 foot | | | | = |
| 12. 24 inches + 1 foot | | | | = |
| 13. 1/2 foot + 1/2 foot | | | | = |
| 14. 1/2 yard + 1 1/2 feet | | | | = |
| 15. 18 inches + 1/2 feet | | | | = |
| 16. 2 feet + 1 foot | | | | = |
| 17. 36 inches - 1 foot | | | | = |
| 18. 36 inches - 2 feet | | | | = |

Using equivalent liquid measures.

COUNT

TIME

CLASS

DATE

NAME

Write answers on the lines

1. 2 cups = ____ pints
2. 1 quart = ____ pints
3. 1 gallon = ____ pints
4. 2 pints = ____ quarts
5. 1 cup = ____ pint
6. 4 quarts = ____ gallons
7. 1 cup = ____ pint
8. 2 cups = ____ pints
9. 2 pints = ____ quarts
10. 4 quarts = ____ gallons
1. 2 cups = ____ quarts
2. 2 pt. = ____ qt.
3. 4 quarts = ____ pts.
4. 8 pints = ____ gallons
5. 12 pints = ____ quarts
6. 12 pints = ____ gallons
7. 1 cup = ____ pints
8. 2½ quarts = ____ pints

COUNT

TIME

CLASS

DATE

NAME

Write the answers on the lines

1. $2\frac{1}{2}$ quarts = _____ pints
2. 1 cup = _____ pints
3. 2 cups = _____ pints
4. 1 quart = _____ pints
5. 12 pints = _____ gals
6. 12 pints = _____ quarts
7. 8 pints = _____ gallons
8. 4 quarts = _____ pints
9. 2 pt = _____ qts
10. 4 cups = _____ quarts
1. 4 quarts = _____ gals
2. 2 pints = _____ gals
3. 1 cup = _____ pint
4. 2 quarts = _____ gal
5. 1 cup = _____ pt
6. 2 pints = _____ qt
7. 1 gal = _____ pt
8. 2 qts = _____ gal

COUNT

TIME

CLASS

DATE

NAME

Write answers

1. pt means _____

2. qt means _____

3. gal means _____

Draw a circle around each item sold by the pt, qt, gal

| | | | | | |
|--------|-----------|------------|----------|-------------|----------|
| cloth | cocoa | boards | gasoline | cream | milk |
| oil | ice cream | ice | eggs | sugar | potatoes |
| pop | candy | vegetables | fruit | cheese | shoes |
| stamps | papers | rootbeer | bananas | coffee | nuts |
| meat | tomatoes | flour | sugar | light bulbs | flowers |

NAME

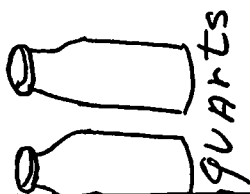
DATE

CLASS

TIME

COUNT

Write answers on the lines



=

_____ gallons



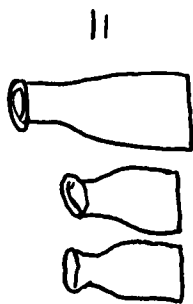
=

_____ quarts



=

pints



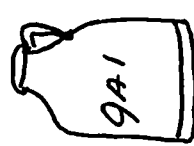
=

_____ gallons



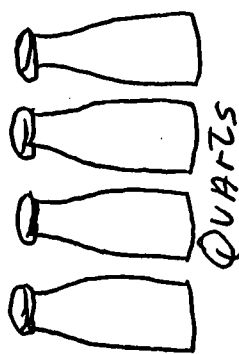
=

qts.



=

_____ pints



=

_____ gallons



_____ quarts



=

_____ quarts



=

pts



=

qts



=

_____ cups

Word problems = equivalent measures.

| NAME | DATE | CLASS | TIME | COUNT |
|---------------------|-----------------|-------|-------------------|-----------------|
| Fill in the blanks | | | | |
| 1. 60 seconds | = _____ minutes | | 15. _____ hours | = 2 days |
| 2. _____ minutes | = 1 hour | | 16. _____ 1/2 qts | = 1 pint |
| 3. 24 hours | = _____ days | | 17. 6 pints | = _____ gallons |
| 4. _____ weeks | = 1 year | | 18. 4 quarts | = _____ pints |
| 5. _____ days | = 1 year | | 19. 4 1/2 quarts | = _____ pints |
| 6. _____ things | = 1 dozen | | 20. 1 gal. | = _____ quarts |
| 7. _____ pounds | = 1 ton | | 21. _____ dozen | = 6 half doz. |
| 8. _____ hours | = 1 day | | 22. _____ eggs | = 1 dozen eggs |
| 9. _____ pints | = 1 gallon | | 23. 4 pts | = _____ qts. |
| 10. 1 gallon | = _____ quarts | | 24. _____ ozs. | = 1 lb. |
| 11. 1 gallon | = _____ pints | | 25. 2000 lbs. | = 1 _____ |
| 12. one-half gallon | = _____ quarts | | 26. 3 _____ | = 1 gal. |
| 13. 4 pints | = _____ quarts | | 27. 4 _____ | = 2 qts. |
| 14. 8 pints | = _____ gallons | | 28. 12 _____ | = 1 ft. |

| NAME | DATE | CLASS | TIME | COUNT |
|--|-----------------|--------------|------|--------------------|
| Fill in the blanks with the correct figures. | | | | |
| 1. 16 ounces | = _____ pounds | 13. 16 ozs. | | = _____ pounds |
| 2. 8 ounces | = _____ pounds | 14. 30 days | | = _____ months |
| 3. 2 pounds | = _____ ounces | 15. 1 dozen | | = _____ eggs |
| 4. one foot | = _____ inches | 16. 1 dozen | | = _____ pencils |
| 5. one yard | = _____ feet | 17. 2 pints | | = _____ quarts |
| 6. 1 quart | = _____ pints | 18. 1 yard | | = _____ inches |
| 7. six pints | = _____ quarts | 19. 1 dozen | | = _____ half dozen |
| 8. 1000 pounds | = _____ ton | 20. 1 day | | = _____ hours |
| 9. six inches | = _____ feet | 21. 1 year | | = _____ days |
| 10. 60 seconds | = _____ minutes | 22. 2 months | | = _____ days |
| 11/ 60 minutes | = _____ hours | 23. 1 gallon | | = _____ quarts |
| 12. 24 hours | = _____ days | 24. 1 gallon | | = _____ pints |

| NAME | DATE | CLASS | TIME | COUNT |
|---|------|-------|------|--|
| Write the correct figures in the blanks | | | | |
| 1. 2 quarts + 2 pints = _____ pints | | | | 11. 8 pints - 4 pints = _____ quarts |
| 2. 2 quarts + 2 pints = _____ quarts | | | | 12. 2 quarts + 2 pints = _____ pints |
| 3. 2 pints + _____ quarts = 2 quarts | | | | 13. 2 quarts - 1 pints = _____ quarts |
| 4. 1 quart + _____ quart(s) = 6 pints | | | | 14. 3 quarts + _____ pints = 4 quarts |
| 5. 4 pints - 1 pint = _____ quarts | | | | 15. 3 quarts + _____ pints = 8 pints |
| 6. 2 quarts + _____ pints = 8 pints | | | | 16. _____ pints + 10 pints = 8 quarts |
| 7. 10 pints - 1 quart = _____ pints | | | | 17. 9 pints - _____ pint(s) = 4 quarts |
| 8. 8 pints - _____ quarts = 4 pints | | | | 18. 1 pint + 4½ quarts = _____ pints |
| 9. 5 pints - 1 pint = _____ quarts | | | | 19. 4 pints - 1 pint = _____ pints |
| 10. 4 pints - 2 pints = _____ quarts | | | | 20. 8 pints - 2 quarts = _____ pints |

NAME

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COUNT

Write the correct figures in the blanks or the correct words

1. 2 quarts + 2 pints = 3 _____

2. 8 pints - 4 pints = 4 _____

3. 2 quarts + 2 pints = 6 _____

4. 2 quarts - 1 quart = 2 _____

5. 8 pints - 2 quarts = _____ pints

6. 4 pints - 1 pint = _____ pints

7. 9 pints - _____ pint = 4 quarts

8. 3 quarts + _____ pints = _____ 1 quart

9. 5 pints - _____ pint = 2 quarts

10. 4 pints + 2 pints = _____ pints

11. 4 pints + 2 pints = _____ quarts

12. 2 quarts + _____ pints = 1 gallon

13. 1 gallon + _____ quarts = 2 gallons

14. 1 gallon + _____ pints = 2 gallons

15. 2 quarts + _____ pints = 1 gallon

16. 2 qts. + _____ pints = 1 gal.

17. 3 pints = _____ qts.

18. 1 gal. + 2 qts. = _____ pints.

Measuring length of lines or objects (up to 36 inches) nearest $\frac{1}{4}$ inch.

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Measure the following and write your answers on the lines as " and "

1. How long is the pencil well in your desk?
 2. How high is the classroom door?
 3. How wide is the classroom door?
 4. How far is the blackboard from the floor?
 5. How high is the blackboard?
 6. How long is the blackboard?
 7. How many yards of cloth would it take to cover the blackboard in your classroom?
 8. How high is your chair from the floor to the seat?
 9. How high is it from the floor to the top of the back of your chair?
 10. How high is your desk from the floor?
 11. How tall are you?
 12. How much shorter are you than the teacher?
- If you are taller, how much taller are You?

COUNT

TIME

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NAME

Measure the length of the lines and write the length on the line.

| | | | | |
|-----|-------|--|--|--|
| 1. | _____ | | | |
| 2. | _____ | | | |
| 3. | _____ | | | |
| 4. | _____ | | | |
| 5. | _____ | | | |
| 6. | _____ | | | |
| 7. | _____ | | | |
| 8. | _____ | | | |
| 9. | _____ | | | |
| 10. | _____ | | | |
| 11. | _____ | | | |
| 12. | _____ | | | |

NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Write your answers on the lines after you measure the objects.

1. Measure the width of your desk _____
2. What is the length of your desk? _____
3. How long is your classroom in yards? _____
4. How long is the window sill in your classroom? _____
5. How wide is your reader? _____
6. What is the length of a new pencil? _____
7. How tall are you? _____
8. How wide is a penny? _____
9. How long is a sheet of paper? _____
10. How much taller are you than the boy sitting nearest you? _____
Are you shorter? How much shorter _____

COUNT

TIME

CLASS

DATE

NAME

Measure the lines and write the length on the line.

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

753

Measuring lines, objects to nearest $\frac{1}{4}$ inch.

| NAME | DATE | CLASS | TIME | COUNT |
|------|------|-------|------|-------|
|------|------|-------|------|-------|

Draw squares or rectangles with the dimensions (measurements) given.
Write inside the drawing what it is--a square? or a rectangle?

1. 1" x 5"

2. 2" x 2"

3. 3" x $4\frac{1}{2}$ "

4. $2\frac{1}{2}$ " x $2\frac{1}{2}$ "

5. $\frac{1}{2}$ " x 1"

COUNT

TIME

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NAME

Draw the length lines given.

1. $1\frac{1}{2}$ inch

2. one-fourth inch

3. 1"

4. $1\frac{1}{2}$ "5. $5\frac{1}{4}$ "

6. seven inches

7. $10\frac{3}{4}$ "

8. nine inches

9. 11"

10. $5\frac{3}{4}$ "11. $4\frac{3}{4}$ "

12. 8 inches

756

COUNT

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CLASS

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NAME

Use your ruler to draw the length lines given.

1. 10"

2. 5 $\frac{3}{4}$ "3. 6 $\frac{1}{4}$ "4. $\frac{1}{2}$ "

5. 1"

6. eight inches

7. 9"

8. 9 $\frac{1}{4}$ "9. 3 $\frac{3}{4}$ "10. 5 $\frac{1}{2}$ "11. $\frac{1}{4}$ "

12. one-half inch

COUNT

TIME

CLASS

DATE

NAME

Take your ruler and draw the length lines given.

1. 1 inch

2. six inches

3. 1 1/4"

4. one and one-fourth inches

5. 2 1/2"

6. 3"

7. 9 2/4"

8. 1 3/4"

9. five and one-fourth inches

10. 8 1/2"

11. 3/4"

12. 7"

758

Identifying figures, circle, square, triangle, rectangle.

COUNT

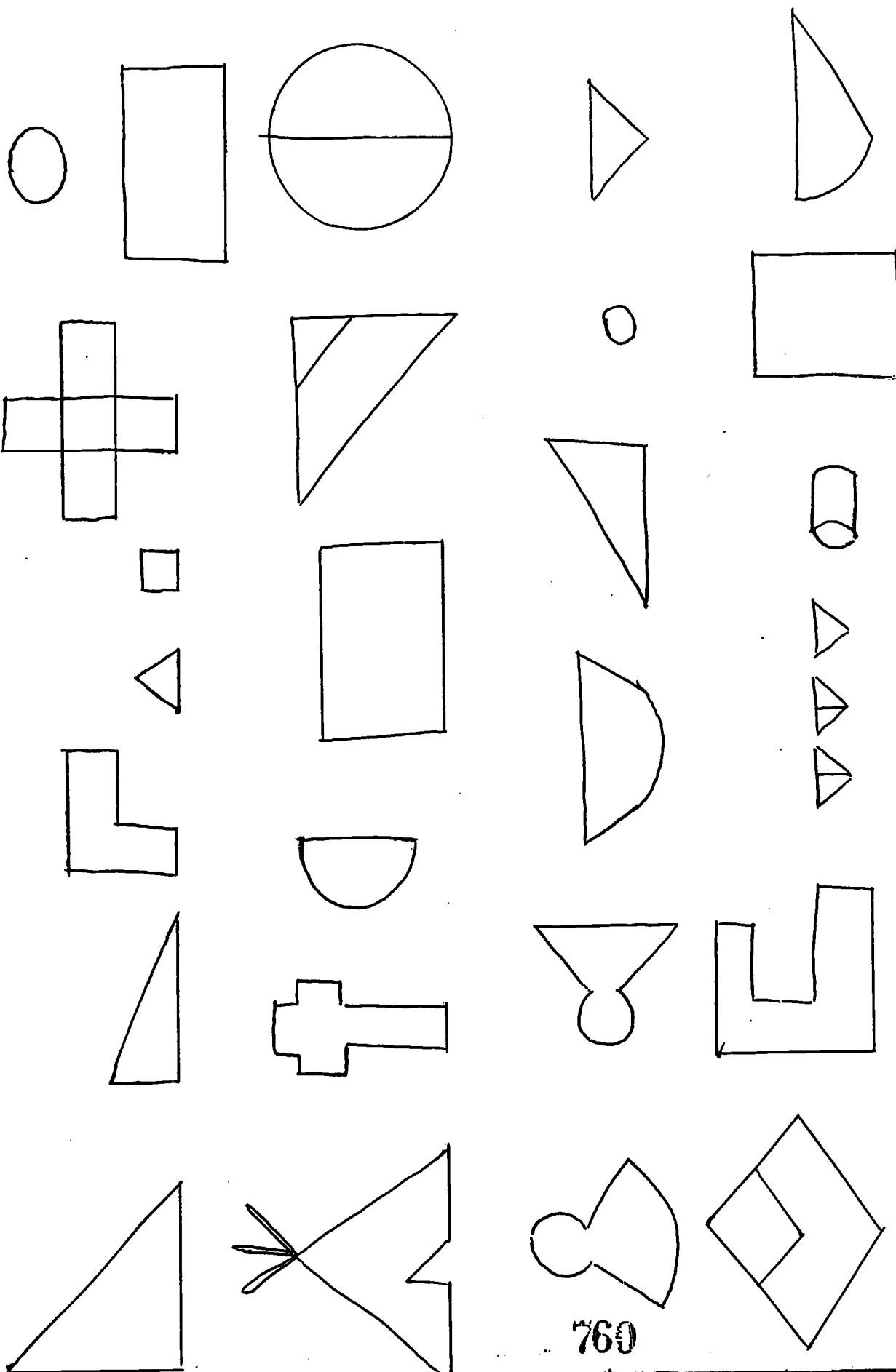
TIME

CLASS

DATE _____

NAME

Mark a large X on all the triangles you can find. Draw a circle around all the circles. Put a long line across all the rectangles on this page.



COUNT

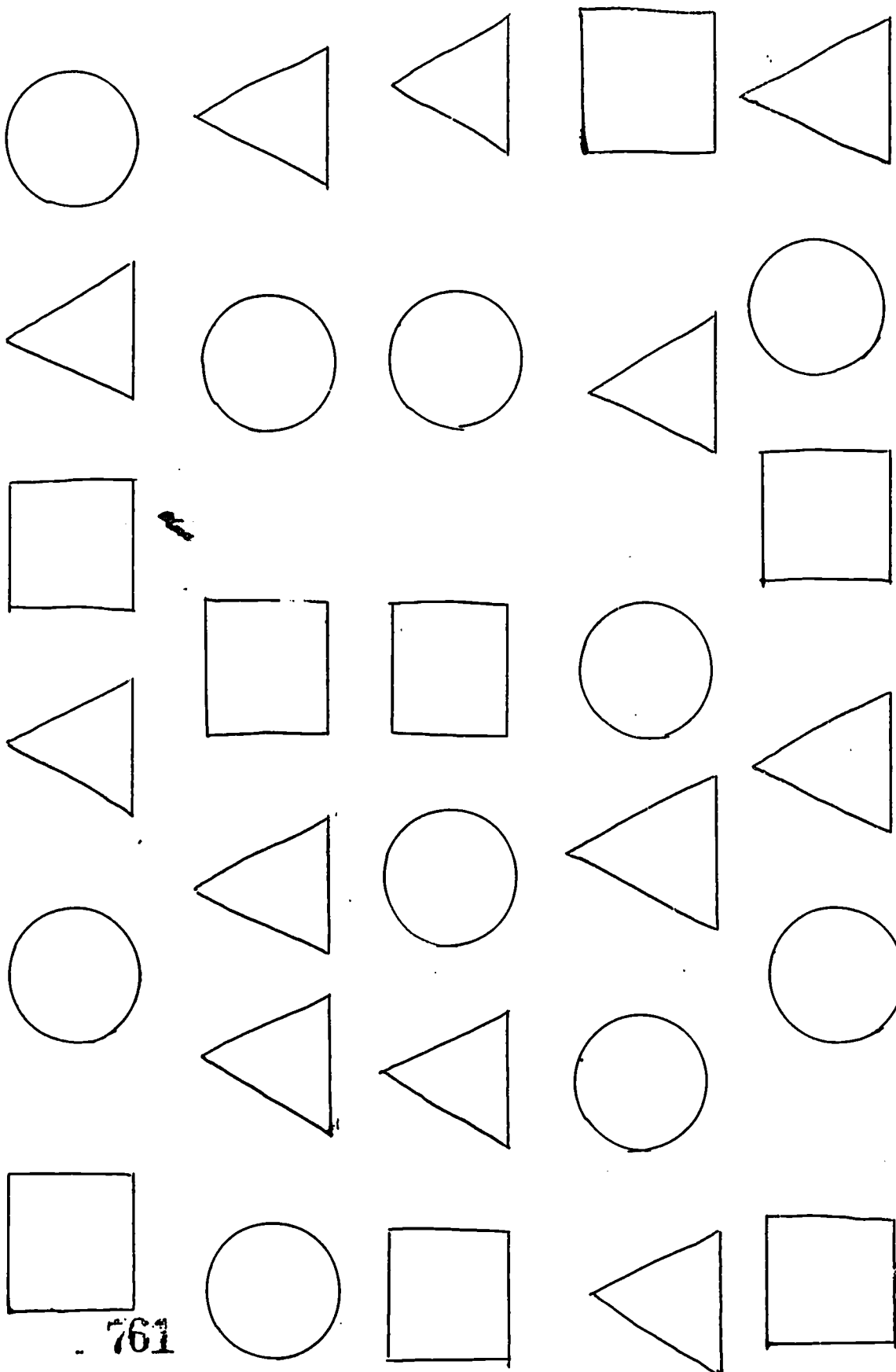
TIME

CLASS

DATE

NAME

Place a 1 in all the circles you can find. Place a 2 in all the triangles.
Place a 3 in all the squares



COUNT

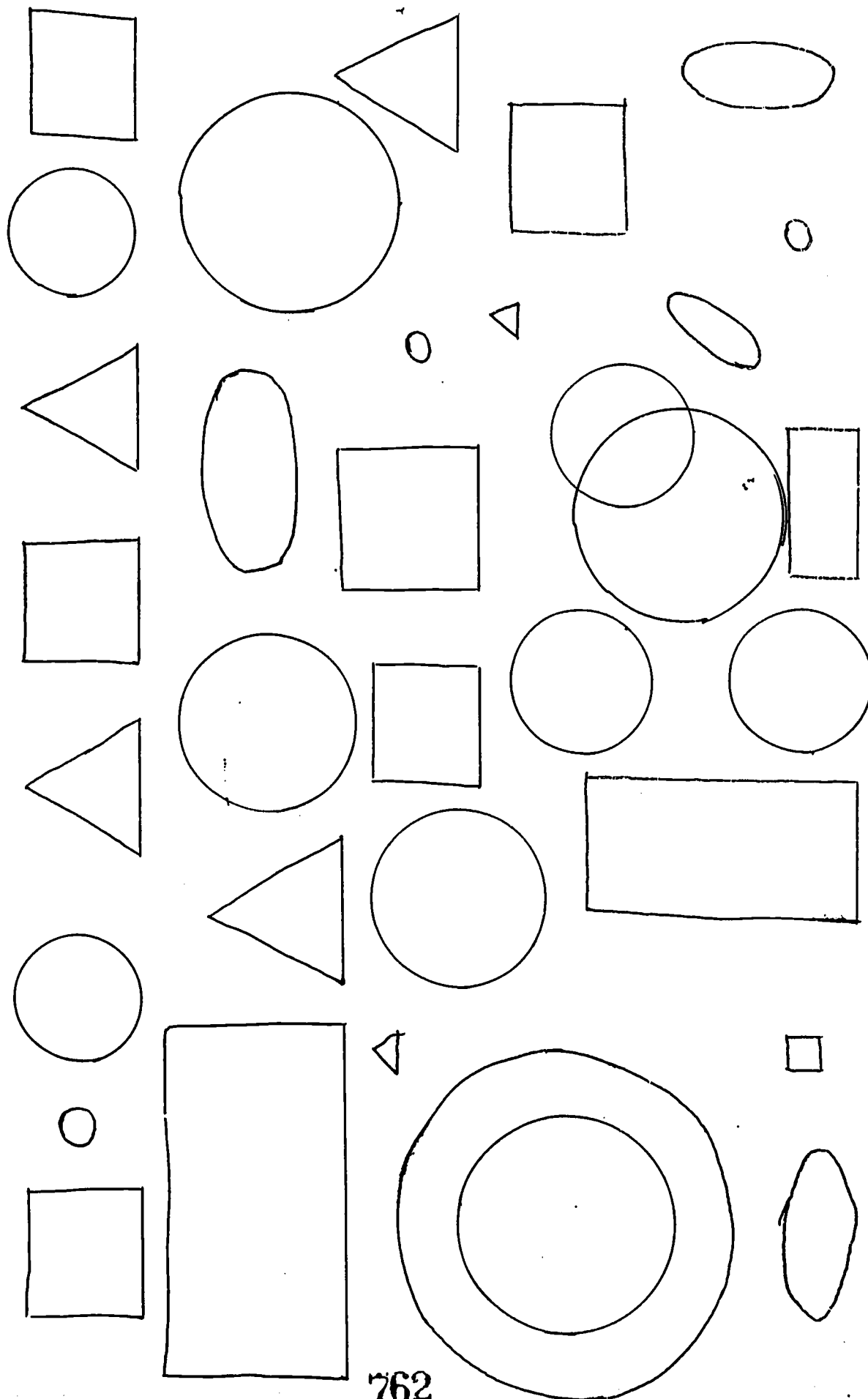
TIME

CLASS

DATE

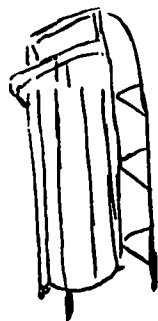
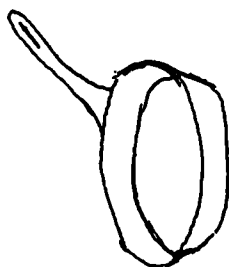
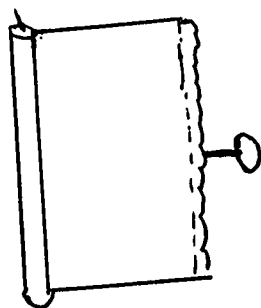
NAME

Place a 1 in all the rectangles. Place a 2 in all the circles.
Place a 3 in all the squares.

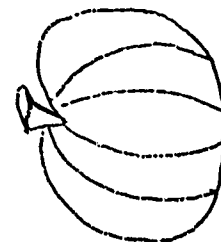
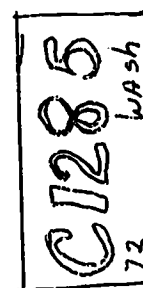
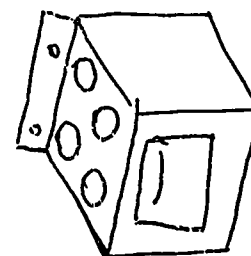
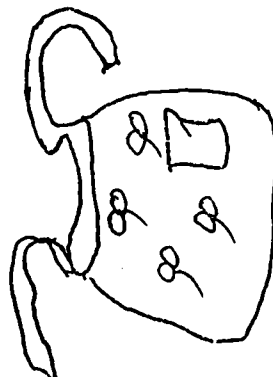
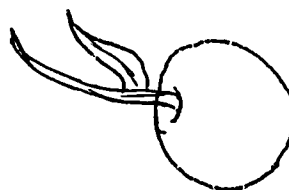
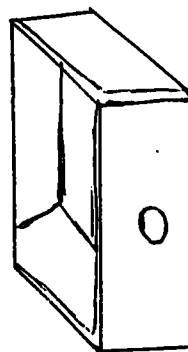


NAME _____ DATE _____ CLASS _____ TIME _____ COUNT _____

Look at the picture in each box. Does it look like a circle, square, rectangle?
Write the correct word in each box which best describes it.



763



Reproducing circle, square, triangle, rectangle from memory.

COUNT

TIME

CLASS

DATE

NAME

Draw triangles

COUNT

TIME

CLASS

DATE

Draw 1 inch circles

NAME

COUNT

TIME

CLASS

DATE

NAME

Draw 2 inch squares

COUNT

TIME

CLASS

DATE

NAME

Draw rectangles with 1 side one inch long

| NAME | DATE | CLASS | TIME | COUNT |
|--------------------------|------|-------------|------|------------|
| Draw the objects listed. | | | | |
| a circle | | triangle | | square |
| rectangle | | a circle | | a square |
| square | | a rectangle | | a triangle |
| a triangle | | a square | | a circle |

Reading directions with names of simple geometric figures.

COUNT

TIME

CLASS

DATE

NAME

Draw the figures

1. Draw a circle $1\frac{1}{4}$ " in width2. Draw a circle $\frac{1}{2}$ " in width3. Draw a square with one side $1\frac{1}{2}$ "4. Draw a rectangle $1\frac{1}{2}$ " x $2\frac{1}{2}$ "

COUNT

TIME

CLASS

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NAME

Draw the objects

1. Draw a circle 1" across

2. Draw a rectangle with a width of 2"

3. Draw a triangle using the measurement of $1\frac{1}{2}$ "4. Draw a figure $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $1\frac{1}{2}$ "

COUNT

TIME

CLASS

DATE

NAME

Draw the objects

1. Draw a circle inside a $2\frac{1}{2}$ " square

2. Draw two rectangles 1 x 2 inches

3. Draw a rectangle $1\frac{1}{2}$ " x $2\frac{1}{2}$ "

4. Draw three circles: 1", $1\frac{1}{2}$ ", $1\frac{1}{2}$ "

COUNT

TIME

CLASS

DATE

NAME

Draw the objects

1. Draw five one-inch circles

2. Draw four 1" squares

3. Draw three rectangles with the shortest side 1"